

GENERAL SERVICES ADMINISTRATION

Federal Supply Service
Authorized Federal Supply Schedule Pricelist

Schedule for Logistics Worldwide (LOGWORLD)

Contract Number: GS-10F-0385K

Federal Supply Class: 874V

Contract Period: September 21, 2000 – September 21, 2015

Pricelist is current through Modification PS-0012, effective August 10, 2011

For more information on ordering from Federal Supply Schedules
click on the FSS Schedules button at <http://www.fss.gsa.gov>

HONEYWELL TECHNOLOGY SOLUTIONS INC.

7000 Columbia Gateway Drive
Columbia, Maryland 21046
(410) 964-7000

Internet/Web Site: www.honeywell.com/htsi

Business Size: Large Business

DUNS Number: 04-101-4242

Contract Administration: Amy DeRieux, Principal Contract Manager
(703) 933-6421
Amy.DeRieux@Honeywell.com

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA *Advantage!*, a menu-drive database system. The INTERNET address for GSA *Advantage!* is: <http://www.fss.gsa.gov>.

TABLE OF CONTENTS

1	CUSTOMER INFORMATION	2 pages
2	LABOR CATEGORY DESCRIPTIONS.....	48 pages
3	GSA LOGWORLD PRICE LIST	5 pages
4.	SERVICE CONTRACT ACT (SCA) MATRIX/NARRATIVE	4 pages

CUSTOMER INFORMATION

1a. Table of Awarded Special Item Number(s).

874-501	Supply and Value Chain Management Services
874-501 (RC)	Supply and Value Chain Management Services
874-503	Distribution and Transportation Logistics Services
874-503 (RC)	Distribution and Transportation Logistics Services
874-504	Deployment Logistics Services.....
874-504 (RC)	Deployment Logistics Services.....
874-505	Logistics Training Services.....
874-505 (RC)	Logistics Training Services.....
874-507	Operations & Maintenance Logistics Management and Support Services
874-507 (RC)	Operations & Maintenance Logistics Management and Support Services

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. N/A

1c. One (1) paragraph description of the job duties and qualifications, including length of experience and level of education or training for each labor category except those covered by the Service Contract Act. See Labor Category Descriptions, pages 5-43.

2. Maximum order limitations: **\$1,000,000.00**

3. Minimum order: **\$100.00**

4. Geographic coverage (Delivery Area): **Domestic and Overseas Delivery**

5. Point(s) of production: (city, county, and state or foreign country). **N/A**

6. Discount from list prices or statement of net price: **Government net prices.**

7. Quantity discounts: **N/A**

8. Prompt payment terms: Net 30 days

9a. Annotate if Government commercial credit cards are accepted: **[X] YES [] NO**

9b. Discount for payment by Government commercial credit card: **N/A**

10. Foreign items (list items by country of origin): **None**

11a. Time of delivery: **Specified on the Task Order**

11b. Expedited delivery: **N/A**

11c. Overnight and 2-day delivery: **N/A**

11d. Urgent Requirements: **The GSA LOGWORLD contract contains an "Urgent Requirements" clause. Agencies are advised to contact Amy DeRieux, Principal Contract Manager, to effect a faster delivery.**

12. FOB Points: **Destination/Worldwide**

13. Ordering Address: **Honeywell Technology Solutions Inc.
7000 Columbia Gateway Drive
Columbia, Maryland 21046
Attention: Amy DeRieux, Principal Contract Manager**

14. Payment address:

Remittance by Mail:

**Honeywell International Inc.,
C/O JP Morgan Chase Bank
23230 Network Place
Chicago, IL 60673-1232**

Remittance via ACH:

**JP Morgan Chase Bank
23230 Network Place**

Chicago, IL 60673-1232
ABA 071-000-013
Account Name- Honeywell International, Inc.
Account # 5293464

15. Warranty provision: **Commercial Standard Warranty**
16. Export Packing Charges: **N/A**
17. Terms and conditions of Government commercial credit card acceptance: **N/A**
18. Terms and conditions of rental, maintenance and repair: **N/A**
19. Terms and conditions of installation: **N/A**
20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices: **N/A**
- 20a. Terms and conditions for any other services: **N/A**
21. List of service and distribution points: **N/A**
22. List of participating dealers: **N/A**
23. Preventing maintenance: **N/A**
24. Year 2000 (Y2K) compliant: **N/A**
25. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: **N/A**
26. Data Universal Number System (DUNS) number: **04-101-4242**
27. Notification regarding registration in Central Contractor Registration (CCR) database: **Honeywell Technology Solutions Inc. is registered in the Central Contractor Registration (CCR) database.**

SCA LABOR CATEGORY DESCRIPTIONS

LINE NUMBER 1: SECRETARY I

Job Duties: Carries out recurring office procedures independently, and selects the guideline or reference that fits the specific case. The supervisor provides specific instructions on new assignments and checks completed work for accuracy. The LR-1 performs varied duties including or comparable to the following: a. Respond to routine telephone requests that have standard answers; refer calls and visitors to appropriate staff. Control mail and assure timely staff response, and send form letters; b. As instructed, maintain supervisor's calendar, make appointments, and arrange for meeting rooms; c. Review materials prepared for supervisor's approval for typographical accuracy and proper format; d. Maintain recurring internal reports, such as time and leave records, office equipment listings, correspondence controls, and training plans; e. Requisition supplies, printing, maintenance or other services, type, take and transcribe dictation, create and maintain office files.

LINE NUMBER 2: SECRETARY II

Job Duties: Handles differing situations, problems, and deviations in the work of the office according to the supervisor's general instructions, priorities, duties, policies, and program goals. Supervisor may assist secretary with special assignments. Duties include or are comparable to the following: a. Screen telephone calls, visitors, and incoming correspondence; personally respond to requests for information concerning office procedures; determine which requests should be handled by the supervisor, appropriate staff member or other offices, prepare and sign routine non-technical correspondence in own or supervisor's name; b. Schedule tentative appointments without prior clearance. Make arrangements for conferences and meetings and assemble established background materials as directed. May attend meetings and record and report on the proceedings; c. Review outgoing materials and correspondence for internal consistency and conformance with supervisor's procedures; assure that proper clearances have been obtained, when needed; d. Collect information from the files or staff for routine inquiries on office program(s) or periodic reports, and refer non-routine requests to supervisor or staff; e. Explain to subordinate staff supervisor's requirements concerning office procedures, coordinate personnel and administrative forms for the office and forwards for processing.

LINE NUMBER 3: SECRETARY III

Job Duties: Uses greater judgment and initiative to determine the approach or action to take in non-routine situations, interprets and adapts guidelines, including unwritten policies, precedents, and practices, which are not always completely applicable to changing situations. Duties include or are comparable to the following: a. Based on knowledge of the supervisor's views, compose correspondence on own initiative about administrative matters and general office policies for supervisor's approval; b. Anticipate and prepare materials needed by the supervisor for conferences, correspondence, appointments, meetings, telephone calls, etc., and informs supervisor on matters to be considered; c. Read publications, regulations, and directives and take action or refer those that are important to the supervisor and staff; d. Prepare special or one-time reports, summaries, or replies to inquiries, selecting relevant information from a variety of sources such as reports, documents, correspondence, other offices, etc., under general directions; e. Advise secretaries in subordinate offices on new procedures; request information needed from the subordinate office(s) for periodic or special conferences, reports, inquiries, etc., and shifts clerical staff to accommodate workload needs.

LINE NUMBER 4: SECRETARY IV/ADMINISTRATIVE ASSISTANT

Job Duties: In addition to secretarial duties (filing, taking phone calls, scheduling appointments, making travel arrangements), this position will provide administrative support to executive staff with office management responsibilities to include budgeting, personnel records and payroll. The Administrative Assistant may be required to work independently on projects requiring research and preparation of briefing charts and other presentation materials.

LINE NUMBER 5: SECRETARY V/ADMINISTRATIVE ASSISTANT

Job Duties: In addition to secretarial duties (filing, taking phone calls, scheduling appointments, making travel arrangements), this position will provide administrative support to executive staff with office management responsibilities to

include budgeting, personnel records and payroll. The Administrative Assistant may be required to work independently on projects requiring research and preparation of briefing charts and other presentation materials.

LINE NUMBER 6: KEY ENTRY OPERATOR I/DATA ENTRY OPERATOR I

Job Duties: This position works under close supervision and follows specific procedures or detailed instructions. The Data Entry Operator I works from various standardized source documents that have been coded and require little or no selecting, coding or interpreting of data. Problems such as erroneous items and codes, or missing information are resolved at the supervisory level. Work is routine and repetitive.

LINE NUMBER 7: KEY ENTRY OPERATOR II/DATA ENTRY OPERATOR II

Job Duties: This position requires the application of experience and judgment in selecting procedures to be followed, and searching for interpreting, selecting, or coding items to be entered from a variety of document sources. The Data Entry Operator II may occasionally perform routine work as described for Data Entry Operator I.

LINE NUMBER 8: ORDER CLERK I

Job Duties: This position handles orders involving items that have readily identified uses and applications. The Order Clerk I may refer to a catalog, manufacturer's manual or similar document to insure that the proper item is supplied or to verify the price of order.

LINE NUMBER 9: ORDER CLERK II

Job Duties: This position handles orders that involve making judgments such as choosing which specific product or material from the establishment's product lines will satisfy the customer's needs, or determining the price to be quoted when pricing involves more than merely referring to a price list or making some simple mathematical calculations.

LINE NUMBER 10: SCHEDULER, MAINTENANCE

Job Duties: This position schedules vehicle repairs and lubrication for vehicle-maintenance, schedules vehicles for lubrication or repairs based on date of last lubrication and mileage traveled or urgency of repairs. The Maintenance Scheduler contacts garage to verify availability of facilities, notifies parking garage workers to deliver specified vehicles, and maintains a file of requests for services.

LINE NUMBER 11: SUPPLY TECHNICIAN

Job Duties: This position performs limited aspects of technical supply management work (e.g., inventory management, storage management, cataloging, and property utilization) related to depot, local, or other supply activities. Work usually is segregated by commodity area or function, and controlled in terms of difficulty, complexity, or responsibility. Assignments usually relate to stable or standardized segments of technical supply management operations; or to functions or subjects that are narrow in scope or limited in difficulty. The work generally involves individual case problems or supply actions. This work may require consideration of program requirements together with specific variations in or from standardized guidelines. Assignments require: (a) a good working knowledge of the governing supply systems, programs, policies, nomenclature, work methods, manuals, or other established guidelines; (b) an understanding of the needs of the organization serviced; and (c) analytical ability to define or recognize the dimension of the problems involved, to collect the necessary data to establish the facts, and take or recommend action based upon application or interpretation of established guidelines.

LINE NUMBER 12: COMPUTER OPERATOR I

Job Duties: The Computer Operator I works under close personal supervision and is provided detailed written or oral guidance before and during assignments. As instructed, this worker resolves common operating problems and may serve as an assistant operator working under close supervision or performing a portion of a more senior operator's work.

LINE NUMBER 13: COMPUTER OPERATOR III

Job Duties: The Computer Operator III processes a range of scheduled routines. In addition to operating the system and resolving common error conditions, this worker diagnoses and acts on machine stoppage and error conditions not fully covered by existing procedures and guidelines (e.g., resetting switches and other controls or making mechanical adjustments to maintain or restore equipment operations). In response to computer output instructions or error conditions, the Computer Operator III may deviate from standard procedures if standard procedures do not provide a solution and refers problems which do not respond to corrective procedures to a person of supervisory or higher individual contributor level.

LINE NUMBER 14: COMPUTER OPERATOR V

Job Duties: The Computer Operator V resolves a variety of difficult operating problems (e.g. making unusual equipment connections and rarely used equipment and channel configurations to direct processing through or around problems in equipment, circuits, or channels or reviewing test run requirements and developing unusual system configurations that will allow test programs to process without interfering with ongoing job requirements). In response to computer output instructions and error conditions or to avoid loss of information or to conserve computer time, operator deviates from standard procedures. Such actions may materially alter the computer unit's production plans. This operator may spend considerable time away from the control station providing technical assistance to lower level operators and assisting programmers, systems analysts, and subject matter specialists with resolution of problems.

LINE NUMBER 15: COMPUTER PROGRAMMER I

Job Duties: The Computer Programmer I assists higher level staff by performing elementary programming tasks which concern limited and simple data items and steps which closely follow patterns of previous work done in the organization, e.g. drawing flow charts, writing operator instructions, or coding and testing routines to accumulate counts, tallies, or summaries. This worker may perform routine programming assignments (as described in Level II) under close supervision. In addition to assisting higher level staff, the Computer Programmer I may perform elementary fact-finding concerning a specified work process, e.g., a file of clerical records which is treated as a unit (invoices, requisitions, or purchase orders, etc.) and then report findings to higher level staff. May receive training in elementary fact-finding. Detailed step-by-step instructions are given for each task, and any deviation must be authorized by a supervisor. Work is closely monitored in progress and reviewed in detail upon completion.

LINE NUMBER 16: COMPUTER PROGRAMMER II

Job Duties: At this level, initial assignments are designed to develop competence in applying established programming procedures to routine problems. This Computer Programmer performs routine programming assignments that do not require skilled background experience but do require knowledge of established programming procedures and data processing requirements, and works according to clear-cut and complete specifications. The data are refined, and the format of the final product is very similar to that of the input, or is well defined when significantly different, i.e., there are few, if any, problems with interrelating varied records and outputs. The Computer Programmer II maintains and modifies routine programs, makes approved changes by amending program flow charts, developing detailed processing logic, and coding changes, tests and documents modifications and writes operator instructions, may write routine new programs using prescribed specifications, and may confer with EDP personnel to clarify procedures, processing logic, etc. In addition, the Computer Programmer II may evaluate simple interrelationships in the immediate programming area confers with user representatives to gain an understanding of the situation sufficient to formulate the needed change, and implements the change upon approval of the supervisor or higher level staff. The incumbent is provided with charts, narrative descriptions of the functions performed, an approved statement of the product desired (e.g., a change in a local establishment report), and the inputs, outputs, and record formats. This Worker reviews objectives and assignment details with higher level staff to insure thorough understanding; uses judgment in selecting among authorized procedures and seeks assistance when guidelines are

inadequate, significant deviations are proposed, or when unanticipated problems arise. Work is usually monitored in progress, and all work is reviewed upon completion for accuracy and compliance with standards.

LINE NUMBER 17: COMPUTER PROGRAMMER III

Job Duties: As a fully qualified Computer Programmer, this Worker applies standard programming procedures and detailed knowledge of pertinent subject matter in a programming area such as a record keeping operation (supply, personnel and payroll, inventory, purchasing, insurance payments, depositor accounts, etc.); a well-defined statistical or scientific problem; or other standardized operation or problem. The incumbent works according to approved statements of requirements and detailed specifications. While the data are clear cut, related, and equally available, there may be substantial interrelationships of a variety of records and several varied sequences of formats are usually produced. The programs developed or modified typically are linked to several other programs in that the output of one becomes the input for another. This Computer Programmer recognizes probable interactions of other related programs with the assigned program(s) and is familiar with related system software and computer equipment, and solves conventional programming problems, (In small organizations, may maintain programs that concern or combine several operations, i.e. users, or develop programs where there is one primary user and the others give input.) The Computer Programmer III performs such duties as developing, modifying, and maintaining assigned programs, designing and implementing modifications to the interrelation of files and records within programs in consultations with higher level staff. This Worker monitors the operation of assigned programs and responds to problems by diagnosing and correcting errors in logic and coding; implements and/or maintains assigned portions of a scientific programming project, applying established scientific programming techniques to well-defined mathematical, statistical, engineering, or other scientific problems usually requiring the translation of mathematical notation into processing logic and code. (Scientific programming includes assignments such as: using predetermined physical laws expressed in mathematical terms to relate one set of data to another; the routine storage and retrieval of field test data, and using procedures for real-time command and control, scientific data reduction, signal processing, or similar areas.) This Programmer tests, documents work, writes and maintains operator instructions for assigned programs, and confers with other EDP personnel to obtain or provide factual data.

In addition, this Programmer may carry out fact-finding and programming analysis of a single activity or routine problem, applying established procedures where the nature of the program, feasibility, computer equipment, and programming language have already been decided. Job tasks may require the incumbent to analyze present performance of the program and take action to correct deficiencies based on discussion with the user and consultation with and approval of the supervisor or higher-level staff. This Programmer may assist in the review and analysis of detailed program specifications, and in program design to meet changes in work processes. The Computer Programmer III works independently under specified objectives; applies judgment in devising program logic and in selecting and adapting standard programming procedures, resolves problems and deviations according to established practices, and obtains advice where precedents are unclear or not available. This Worker, may guide or instruct lower level programmers; supervise technicians and others who assist in specific assignments, works on complex programs under close direction of higher level staff or supervisor, and may assist higher level staff by independently performing moderately complex tasks assigned, and performing complex tasks under close supervision. Work at a level above this is deemed Supervisory or Individual Contributor. Completed work is reviewed for conformance to standards, timeliness, and efficiency.

LINE NUMBER 18: COMPUTER PROGRAMMER IV

Job Duties: The Computer Programmer IV applies expertise in programming procedures to complex programs; recommends the redesign of programs, investigates and analyzes feasibility and program requirements, and develops programming specifications. Assigned programs typically affect a broad multi-user computer system which meets the data processing needs of a broad area (e.g., manufacturing, logistics planning, finance management, human resources, or material management) or a computer system for a project in engineering, research, accounting, statistics, etc. This Programmer plans the full range of programming actions to produce several interrelated but different products from numerous and diverse data elements, which are usually from different sources; solves difficult programming problems, and uses knowledge of pertinent system software, computer equipment, work processes, regulations, and management practices. This Programmer performs such duties as: developing, modifying, and maintains complex programs; designs and implements the interrelations of files and records within programs which will effectively fit into the overall design of the project; works with problems or concepts and develops programs for the solution to major scientific computational problems requiring the analysis and development of logical or mathematical descriptions of functions to be programmed; and develops occasional special programs, e.g. a critical path analysis program to assist in managing a special project. This Worker tests, documents, and writes operating instructions for all work, confers with other EDP personnel to secure information, investigate and resolve problems, and coordinates work efforts. In addition, this incumbent performs such programming analyses as: investigating the feasibility of alternate program design approaches to determine the best balanced solution, e.g., one that will best satisfy immediate user

needs, facilitate subsequent modification, and conserve resources. Duties include the following: assisting user personnel in defining problems or needs, determining work organization on typical maintenance projects and smaller scale, working on limited new projects, the necessary files and records, and their interrelation with the program or working on large or more complicated projects, and participating as a team member along with other EDP personnel and users, holding responsibility for a portion of the project. The Computer Programmer IV works independently under overall objectives and direction, apprising the supervisor about progress and unusual complications and modifying and adapting precedent solutions and proven approaches. Guidelines include constraints imposed by the related programs with which the incumbent's programs must be meshed. Completed work is reviewed for timeliness, compatibility with other work, and effectiveness in meeting requirements. This Worker may function as team leader or supervise a few lower level programmers or technicians on assigned work.

LINE NUMBER 19: AUTOMOTIVE WORKER

Job Duties: The Automotive Worker performs a variety of minor repairs and services to maintain motor vehicles. The Automated Worker places and maintains decals on vehicles, checks and replaces batteries, rotates, repairs, and replaces tires, washes, polishes, and cleans interiors and exteriors of vehicles, drains, flushes, and replaces engine, transmission, and differential grease and oils, checks, cleans, calibrates, and replaces spark plugs, cleans and replaces oil and air filters. The Automotive Worker adjusts brakes, replaces windshield wipers, and similar minor parts, assists on major overhaul jobs by disassembling and cleaning parts, repairing components such as generators and water pumps, and replacing thermostats, points.

LINE NUMBER 20: AUTOMOTIVE ELECTRICIAN

Job Duties: This position tests, repairs, overhauls, modifies, and maintains electrical equipment of a specialized nature such as automatic alternator synchronizing equipment, amplifying control units, voltage regulating equipment, generators, switching and control panels, and junction boxes, in motor vehicles such as automobiles, buses and trucks.

LINE NUMBER 21: MOBILE EQUIPMENT SERVICER

Job Duties: Operating from a mobile fuel station and/or tanker, the Mobile Equipment Servicer performs one or more of the following duties: supplies all types of vehicles with gasoline or diesel fuel, and records mileage and tag numbers, checks fluid levels, battery, cooling system and engine oil, checks tires for wear and pressure, replaces wiper blades, fuses, sealed beam lights, and light bulbs. Inspects equipment and performs preventive maintenance services, changes oil and filters, lubricates and greases vehicles, washes and cleans interiors and exteriors of vehicles; maintains inventories of parts and supplies; and cleans and maintains work areas.

LINE NUMBER 22: MOTOR EQUIPMENT METAL MECHANIC

Job Duties: The Motor Equipment Metal Mechanic (Motor Vehicle Body Repairer) repairs damaged bodies and body parts of automotive vehicles, such as automobiles, buses, and light trucks according to repair manuals, using hand tools and power tools, removes upholstery, accessories, electrical and hydraulic window, seat-operating equipment, and trim to gain access to vehicle body and fender, positions block against surface of dented area and beats opposite surface to remove dents using hammer, and fills depressions with solder or other plastic material. This worker removes damaged fenders, panels, and grills, using wrenches and cutting torch, and bolts or welds replacement, straightens bent frames, using hydraulic jack and pulling device, files, grinds, and sands repaired surfaces, using power tools and hand tools. Refinishes repaired surface, using paint spray gun and sander, aims headlights, aligns wheels, bleeds hydraulic brake system, and may paint surface after performing body repairs.

LINE NUMBER 23: MOTOR EQUIPMENT METAL WORKER

Job Duties: The Motor Equipment Metal Worker assists the Motor Equipment Metal Mechanic by performing routine metal repairs to vehicle bodies and main frames, and other routine duties.

LINE NUMBER 24: MOTOR VEHICLE MECHANIC

Job Duties: The Motor Vehicle Mechanic repairs, rebuilds, or overhauls major assemblies of internal combustion automobiles, buses, trucks or tractors. Work involves most of the following: Diagnosing the source of trouble and determining the extent of repairs required; replacing worn or broken parts such as piston rings, bearings, or other engine parts; grinding and adjusting valves; rebuilding carburetors; overhauling transmissions; and repairing fuel injection, lighting, and ignition systems. In general, the work of the Motor Vehicle Mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent.

LINE NUMBER 25: MOTOR VEHICLE WRECKER

Job Duties: The Motor Vehicle Wrecker (Tow Truck Operator; Wrecker Operator) operates gasoline, diesel, or electric-powered vehicle equipped with special equipment used to tow vehicles or equipment.

LINE NUMBER 26: PAINTER, AUTOMOTIVE

Job Duties: The Painter, Automotive Worker coats surfaces of motor vehicles such as automobiles, buses, and trucks with paint, lacquer, epoxy, resin or other material, using brushes, rollers, spray guns and other devices, removes old paint from vehicle, using liquid paint remover and scraper, smoothes surface with sandpaper and steel wool. The Painter, Automotive Worker roughens aluminum surfaces with acid solution and steel wool to ensure that paint adheres to surface, masks and covers portions of surfaces not to be painted, paints vehicle or specified portion of vehicle and may paint insignia, letters or numerals on vehicle surface using stencils.

LINE NUMBER 27: RADIATOR REPAIR SPECIALIST

Job Duties: The Radiator Repair Specialist (Automobile Radiator Mechanic) repairs, modifies, and tests automotive radiators, air coolers, and oil temperature regulators made of various kinds of metals, locates and repairs leaks, removes defective parts, and installs new parts.

LINE NUMBER 28: TIRE REPAIRER

Job Duties: The Tire Repairer repairs damaged tires of automobiles, buses, trucks, and other automotive vehicles, raises vehicle, using hydraulic jack, and unbolts wheel, using lug wrench, removes wheel from vehicle by hand or, when repairing giant tires of heavy equipment, by use of power hoist, locates puncture in tubeless tire by visual inspection or by immersing inflated tire in water bath and observing air bubbles emerging from puncture, and seals puncture in tubeless tire by inserting adhesive material and expanding rubber plug into puncture, using hand tools. Job task for the Tire Repairer also includes separating tubed tire from wheel, using rubber mallet and metal bar or mechanical tire changer, removing inner tube from tire and inspects tire casing for defects, such as holes and teas, gluing boot (tire patch) over rupture in tire casing using rubber cement, inflating inner tube and immerses it in water to locate leak, buffing defective area of inner tube, using scraper, and patches tubes with adhesive rubber patch or seals rubber patch to tube, using hot vulcanizing plate. The Tire Repairer reassembles tire onto wheel, and places wheel on balancing machine to determine counterweights required to balance wheel, hammers required counterweights onto rim of wheel.

LINE NUMBER 29: TRANSMISSION REPAIR SPECIALIST

Job Duties: The Transmission Repair Specialist (Transmission Mechanic) repairs manual and automatic transmissions in automobiles, buses, trucks, and other automotive vehicles, raises vehicle, using jacks or hoists, and removes transmission, using mechanic's hand tools, disassembles transmission and replaces broken or worn parts, such as bands, gears, seals, and valves, adjusts pumps, bands, and gears as required, using wrenches, installs repaired transmission and fills it with specified fluid, adjusts operating linkage and tests operation on road. The Specialist may adjust a carburetor, verify idle speed of motor, using equipment, such as tachometer, and make required adjustments.

LINE NUMBER 30: AUDIOVISUAL LIBRARIAN

Job Duties: The Video Teleconference Technician operates video teleconferencing equipment including powering up teleconferencing equipment, checking equipment for proper operation, setting audio levels, positioning camera functions, performing secure or non-secure setup; operate or assist in operating session control panel, studio control unit, and high-resolution graphics. Job tasks require this technician to provide assistance to users in conducting video teleconference sessions, which may include conference preparation, and monitor VTC equipment and system performance, reporting equipment and network problems to appropriate parties for maintenance or repair. The Video Teleconference Technician's responsibilities may include operation of briefing computers, projectors or other audiovisual equipment in conjunction with video teleconferencing services; may include scheduling video teleconferencing sessions, training personnel in operation of video teleconferencing equipment, and other audiovisual equipment associated with video teleconferencing services.

LINE NUMBER 31: EXHIBITS SPECIALIST I

Job Duties: At this level, the Exhibits Specialist brings to the job manual dexterity, mechanical skill, and/or artistic skill, plus aptitude for learning exhibits techniques. They perform duties related to the fabrication, finishing and repair of exhibits while acquiring training in museum or exhibits techniques.

LINE NUMBER 32: EXHIBITS SPECIALIST II

Job Duties: At this level, the Exhibits Specialist perform independently the phases of work in which they are proficient, and receive training in the more complex processes. Duties relate to the fabrication, finishing and maintenance of exhibits that require a high degree of manual dexterity and moderate but varied artistic skills. Generally, they work from accurate scale drawings, blueprints or sketches with instructions as to the materials to be used and the colors to be matched. On the phases of the work with which they are thoroughly familiar, and within the framework of accepted and proven methods and techniques, there is considerable latitude of choice in execution. The supervisor checks their work at the completion of each phase on work that involves several processes or stages of development.

LINE NUMBER 33: EXHIBITS SPECIALIST III

Job Duties: At this level, the Exhibits Specialist is responsible for the construction of portions of more complex exhibits, such as models, three-dimensional training aids, or complex exhibit cases and other exhibit furniture. Complexity of work may be indicated by: (a) subject matter which requires extensive study and search of the literature; (b) the need to demonstrate the significance of an event or development; (c) the need to present the development or evaluation of an event; and (d) subject matter involving several disciplines. Another area of work at this level includes the planning of detailed work processes and actual restoration work on historic structures or valuable items, or the construction of replicas or models requiring greater skill than is required for the work at the Exhibits Specialist II level. At level III, Exhibits Specialists are comparatively free to use judgment in selecting work methods and materials, and developing techniques and color schemes.

LINE NUMBER 34: ILLUSTRATOR I

Job Duties: Duties for this position require the ability to use common media such as tempera, oils, pen-and-ink, or pencil with average skill. The Illustrator I copies drawings, either by tracing or freehand; applies coloring or wash to line drawings; letters by hand or by use of templates, and does detail or background work on illustrations which have been prepared by an illustrator of higher grade. When working with scientific subjects and technical equipment this Illustrator acquires basic knowledge of subject matter field and develops information about the field of work that will be illustrated. When working in the general fields of illustrating, someone in this position acquires necessary information about subject of the illustrations or applies general knowledge to the subject.

LINE NUMBER 35: ILLUSTRATOR II

Job Duties: The Illustrator II usually is assigned to projects involving several of the common art media such as pen-and-ink, pencil, tempera, wash, oils, and airbrush over a period of time. These projects require the Illustrator to be proficient in the use

of these media and in executing acceptable drawings in many styles. Generally, Illustrator II executes drawings that have been conceived by others and presented in the form of rough sketches. This illustrator does not exercise an extensive knowledge of the subject matter involved when preparing medical, scientific or technical equipment illustrations, but does acquire information about the subject assigned to illustrate and develop a background of subject matter knowledge through carrying out these illustrating assignments. However, the kind of illustrating work assigned does not require an extensive prior knowledge about the subjects illustrated.

LINE NUMBER 36: ILLUSTRATOR III

Job Duties: The projects to which the Illustrator III are assigned, usually involve several of the common art media (as in the case of Illustrator II), but the illustrations themselves typically require a higher degree of skill in the use of many of the media. This degree of skill is required for the following reasons: (a) the speed with which the illustration must be completed requires the ability to work quickly and competently in order to produce an acceptable finished product within the available time limit. (b) The illustration calls for the use of fine detail, special artistic effects, or an unusual use of the chosen medium or; (c) The method of reproduction, how the illustration will be used, or the information or artistic results desired, calls for exceptional care and skill in the use of the medium. The themes illustrated may be either concrete in nature or they may represent ideas and abstract concepts. The illustrations differ from those typical of Illustrator II in that they are expected to interpret the publications, chart, poster, or exhibit in which they appear, while Illustrator II presents factual, rather than interpretative material. Illustrator III is required to have knowledge of a specialized subject matter field such as medicine, science, or technical equipment, and will prepare illustrations that are designed to reproduce the appearance of specific medical or scientific specimens or of pieces of technical equipment.

LINE NUMBER 37: LIBRARIAN

Job Duties: The Librarian maintains library collections of books, serial publications, and documents, audiovisual and other materials and assists groups and individuals in locating and obtaining materials, furnishes information on library activities, facilities, rules and services, explains and assists in use of reference sources, such as card or book catalog, or book and periodical indexes to locate information. This worker issues and receives materials for circulation or use in library, assembles and arranges displays of books and other library materials, maintains reference and circulation materials. The Librarian also answers correspondence on special reference subjects, may compile list of library materials according to subjects or interests, and may select, order, catalog and classify materials.

LINE NUMBER 38: LIBRARY TECHNICIAN

Job Duties: The Library Technician provides information service such as answering questions regarding card catalogs and assists in the use of bibliographic tools, such as Library of Congress catalog. The incumbent performs routine cataloging of library materials, files cards in catalog drawers according to system used, answers routine inquiries, and refers persons requiring professional assistance to Librarian. This Technician verifies bibliographic information on order requests, works or directs workers in maintenance of stacks or in section of department or division with tasks such as ordering or receiving section of acquisitions department, card preparation activities in catalog department, or limited loan or reserve desk operation of circulation department.

LINE NUMBER 39: MACHINE-TOOL OPERATOR

Job Duties: Someone in this position specializes in operating one or more than one type of machine tool (e.g., jig borer, grinding machine, engine lathe, milling machine) to machine metal for use in making or maintaining jigs, fixtures, cutting tools, gauges, or metal dies or molds used in shaping or forming metal or nonmetallic material (e.g., plastic, plaster, rubber, glass). Work typically involves: planning and performing difficult machining operations which require complicated setups or a high degree of accuracy, setting up machine tool or tools (e.g., installing cutting tools and adjusting guides, stops, working tables, and other controls to handle the size of stock to be machined. The Machine Tool Operator determines proper feeds, speeds, tooling, and operation sequence or selects those prescribed in drawings, blueprints, or layouts). Work also involves using a variety of precision measuring instruments, making necessary adjustments during machining operation to achieve requisite dimensions to very close tolerances. This worker may be required to select proper coolants and cutting and lubricating oils to recognize when tools need dressing, and to dress tools. In general, the work of a Machine-Tool Operator (Tool room) at the skill level called for in this classification, requires extensive knowledge of machine shop and tool room practice usually acquired though considerable on-the-job training and experience.

LINE NUMBER 40: TOOL AND DIE MAKER

Job Duties: The Tool and Die Maker constructs and repairs jigs, fixtures, cutting tools, gauges, or metal dies or molds used in shaping or forming metal or nonmetallic material (e.g., plastic, plaster, rubber, glass). Work typically involves: planning and laying out work according to models, blueprints, drawings, or other written or oral specifications, understanding the working properties of common metals and alloys, selecting appropriate materials, tools, and processes required to complete task, making necessary shop computations, and setting up and operating various machine tools and related equipment. Work for someone in this position also involves using various Tool and Die Maker's hand tools and precision measuring instrument, working to very close tolerances, heat-treating metal parts and finished tools and dies to achieve required qualities, and fitting and assembling parts to prescribed tolerances and allowances. In general, the Tool and Die Maker's work requires rounded training in machine shop and tool room practice usually acquired through formal apprenticeship or equivalent training and experience.

LINE NUMBER 41: FUEL DIST SYS OPER/MAT COORD

Job Duties: The Fuel Distribution System Operator receives, stores, transfers, and issues fuel through pipelines at main line or terminal stations, receives fuel by tanker, ships fuel by pipeline, tank car, tank truck, and barge, prepares and checks receiving or ship's documents, connects lines, grounding wires, and loading and off loading arms or hoses to pipelines; and visually inspects samples of fuel, and checks gravity and flashpoint. This operator gauges tanks for water, temperature, and fuel levels, checks pumping systems for correct operating pressure or unusual noises, performs preventive maintenance and repairs on terminal systems, assists in maintenance of government-owned railroad loading and switch area, performs general housekeeping and grounds maintenance for terminal, pipeline and dock areas.

LINE NUMBER 42: MATERIAL COORDINATOR

Job Duties: The Material Coordinator coordinates and expedites flow of material, parts, and assemblies within or between departments in accordance with production and shipping schedules or department supervisors' priorities. In this job, the Material Coordinator reviews production schedules and confers with department supervisors to determine material required or overdue and to locate material, requisitions material and establishes delivery sequences to departments according to job order priorities and anticipated availability of material; arranges for in-plant transfer of materials to meet production schedules, and with department supervisors for repair and assembly of material and its transportation to various departments, and examines material delivered to production departments to verify if type specified. This Worker may monitor and control movement of material and parts along conveyor system, using remote-control panel board, compute amount of material needed for specific job orders, applying knowledge of product and manufacturing processes and using adding machine; compile report of quantity and type of material on hand, move or transport material from one department to another, using hand or industrial truck; may compile perpetual production records in order to locate material in process of production, using manual or computerized system, and maintain employee records.

LINE NUMBER 43: MATERIAL EXPEDITER

Job Duties: The Material Expediter executes the following: locates and moves materials and parts between work areas of plant to expedite processing of goods, according to pre-determined schedules and priorities, and keeps related record, reviews production schedules inventory reports, and work orders to determine types, quantities, and availability of required material and priorities of customer orders, confers with department supervisors to determine materials overdue and to inform them of location, availability, and condition of materials, locates and moves materials to specified production areas, using cart or hand truck, and records quantity and type of materials distributed and on hand. Work may include the following tasks: directing Power-Truck Operator or Material Handling Laborer to expedite movement of materials between storage and production areas, compare work ticket specifications with material at work stations to verify appropriateness of material in use, prepare worker production records and timecards, and may update and maintain inventory records, using computer terminal.

LINE NUMBER 44: MATERIAL HANDLING LABORER

Job Duties: This person will perform physical tasks to transport or store materials or merchandise. Duties involve one or more of the following: manually loading or unloading freight cars, trucks, or other transporting devices; unpacking, shelving, or placing items in proper storage locations; or transporting goods by hand truck, cart, or wheelbarrow.

LINE NUMBER 45: ORDER FILLER

Job Duties: The Order Filler fills shipping or transfer orders for finished goods from stored merchandise in accordance with specifications on sales slips, customers' orders, or other instructions. This worker may, in addition to filling orders and indicating items filled or omitted, keep records of outgoing orders, requisition additional stock or report short supplies to supervisor, and perform other related duties.

LINE NUMBER 46: FORKLIFT OPERATOR

Job Duties: The Forklift Operator operates a manually controlled gasoline, electric or liquid propane gas powered forklift to transport goods and materials of all kinds within a warehouse, manufacturing plant, or other establishment.

LINE NUMBER 47: SHIPPING/RECEIVING CLERK

Job Duties: The Shipping/Receiving Clerk performs clerical and physical tasks in connection with shipping goods of the establishment in which employed and receiving incoming shipments. In performing day-to-day, routine tasks, this worker follows established guidelines. In handling unusual non-routine problems, this worker receives specific guidance from supervisor or other officials. This incumbent may direct and coordinate the activities of other workers engaged in handling goods to be shipped or being received. Shipping duties typically involve the following: verifying that orders are accurately filled by comparing items and quantities of goods gathered for shipment against documents; insuring that shipments are properly packaged, identified with shipping information, and loaded into transporting vehicles, and preparing and keeping records of goods shipped, e.g., manifests, bills of lading. Receiving duties typically involve the following: verifying the correctness of incoming shipments by comparing items and quantities unloaded against bills of lading, invoices, manifests, storage receipts, or other records, checking for damaged goods, insuring that goods are appropriately identified for routing to departments within the establishment, and preparing and keeping records of goods received.

LINE NUMBER 48: SHIPPING PACKER

Job Duties: Someone in this position prepares finished products for shipment or storage by placing them in shipping containers, the specific operations performed being dependent upon the type, size, and number of units to be packed, the type of container employed, and method of shipment. Work requires the placing of items in shipping containers, and may involve one or more of the following: knowledge of various items of stock in order to verify content, selection of appropriate type and size of container, inserting enclosures in container; using excelsior or other material to prevent breakage or damage, closing and sealing container, and applying labels or entering identifying data on container. Exclude packers who also make wooden boxes or crates.

LINE NUMBER 49: STORE WORKER I

Job Duties: The Store Worker I will perform the following tasks at an establishment whose primary function is that of the resale of merchandise in a retail environment, move merchandise by use of non-motorized equipment that is intended for display and resale purposes, include the cleaning of merchandise on or in display fixtures utilizing various merchandise techniques common to retail trade. Merchandise may be displayed by a predetermined placement system using labels or other identifying marks. This worker will maintain the display sales area by straightening merchandise to give a neat, full, and salable appearance, removing damaged or outdated merchandise, and displaying merchandise in such a manner to maintain freshness and sale dates, may determine display or sale requirements from existing inventory, may be required to keep inventory forms of merchandise stocked and merchandise returned to storage, may be required to affix labels to merchandise indicating sale price, item description, or other information, and may be required to offer customer or patron assistance with

the location or selection of merchandise. **Note: this class excludes any work performed in a warehouse, see warehousing classifications.**

LINE NUMBER 50: STOCK CLERK

Job Duties: The Stock Clerk receives, stores, and issues equipment, materials, supplies, merchandise, foodstuffs, or tools, and compiles stock records of items in stockroom, warehouse or storage yard. This worker sorts, or weighs incoming articles to verify receipt of items on requisition or invoice, examines stock to verify conformance to specifications, stores articles in bins, on floor or on shelves, according to identifying information, such as style, size or type of material, fills orders or issues supplies from stock, prepares periodic, special or perpetual inventory of stock, and requisitions articles to fill incoming orders. This worker also compiles reports on use of stock handling equipment, adjustments of inventory counts and stock records, spoilage of or damage to stock, location changes, and refusal of shipments, may mark identifying codes, figures, or letters on articles, may distribute stock among production workers, keeping records of material issued, may make adjustments or repairs to articles carried in stock, and may cut stock to site to fill order.

LINE NUMBER 51: TOOLS AND PARTS ATTENDANT

Job Duties: This incumbent receives, stores, and issues hand tools, machine tools, dies, replacement parts, shop supplies and equipment, such as measuring devices, in an industrial establishment. The Tools and Parts Attendant does the following keeps records of tools issued to and returned by workers, searches for lost or misplaced tools, prepares periodic inventory or keeps perpetual inventory and requisitions stock as needed, unpacks and stores new equipment; visually inspects tools or measures with micrometer for wear or defects and reports damaged or worn-out equipment to superiors; may coat tools with grease or other preservative, using a brush or spray gun, and may attach identification tags or engrave identifying information on tools and equipment using electric marking tool.

LINE NUMBER 52: WAREHOUSE SPECIALIST

Job Duties: As directed, the Warehouse Specialist performs a variety of warehousing duties that require an understanding of the establishment's storage plan. Work involves most of the following: verifying materials (or merchandise) against receiving documents, noting and reporting discrepancies and obvious damages, routing materials to prescribed storage locations; storing, stacking, or palletizing materials in accordance with prescribed storage methods, rearranging and taking inventory of stored materials, examining stored materials and reporting deterioration and damage, removing material from storage and preparing it for shipment. This worker may operate hand or power trucks in performing warehousing duties.

LINE NUMBER 53: ELECTRONICS TECHNICIAN MAINTENANCE

Job Duties: The Electronics Technician, Maintenance maintains, repairs, troubleshoots, modifies and installs various types of electronic equipment and related devices such as electronic transmitting and receiving equipment (e.g., radar, radio, television, telecommunication, sonar, and navigational aids); personal and main frame computers and terminals, industrial, medical, measuring, and controlling equipment; and industrial robotic devices. The successful incumbent applies technical knowledge of electronics principles in determining equipment malfunctions, and applies skill in restoring equipment operation, evaluates performance and reliability of prototype or production mode, and recommends changes in circuitry or installation specifications to simplify assembly and maintenance.

LINE NUMBER 54: ELECTRONICS TECHNICIAN MAINTENANCE I

Job Duties: The Electronics Technician Maintenance I applies basic technical knowledge to perform simple or routine tasks following detailed instructions, performs such tasks as replacing components, wiring circuits, repairing simple electronic equipment; and taking test readings using common instruments such as digital multi-meters, signal generators, semiconductor testers, curve tracers, and oscilloscopes. This person works under close supervision receiving technical guidance from supervisor or higher-level technician. Work is checked frequently for accuracy.

LINE NUMBER 55: ELECTRONICS TECHNICIAN MAINTENANCE II

Job Duties: The Electronics Technician Maintenance II applies basic and some advanced technical knowledge to solve routine problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence, in selecting tools, testing instruments, and is reviewed for compliance with accepted practices. This technician works under immediate supervision and achieves technical guidance, as required, from supervisor or higher-level technician.

LINE NUMBER 56: ELECTRONICS TECHNICIAN MAINTENANCE III

Job Duties: The Electronics Technician Maintenance III applies advanced technical knowledge to solve complex problems that typically cannot be solved solely by referencing manufacturers' manuals or similar documents. Examples of such problems include determining the location and density of circuitry, evaluating electromagnetic radiation, isolating malfunctions, and incorporating engineering changes. Work typically requires an understanding of the interrelationships of circuits, exercising independent judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow, using complex test instruments such as high frequency pulse generators, frequency synthesizers, distortion analyzers, and complex computer control equipment. Work may be reviewed by supervisor for general compliance with accepted practices. This position may provide technical guidance to lower level technicians.

LINE NUMBER 57: FUEL DISTRIBUTION SYSTEMS MECHANIC

Job Duties: The Fuel Distribution System Mechanic maintains and repairs fuel storage and distribution systems, using hand and power tools and testing instruments, inspects fuel receiving, storage, and distribution facilities to detect and correct leakage, corrosion, faulty fittings, and malfunction of mechanical units, meters, and gauges, (such as distribution lines, float gauges, piping valves, pumps, and roof sumps); inspects electrical wiring, switches, and controls for safe-operating condition, grounding, and adjustment, lubricates and repacks valves; lubricates pumps, replaces gaskets, seals and corrects pumping equipment misalignment, and cleans strainers and filters. This mechanic services water separators, checks meters for correct delivery and calibration, overhauls system components such as pressure regulating valves and excess valves, disassembles, adjusts, aligns, and calibrates gauges and meters or replaces them, removes and installs equipment such as filters and piping to modify system or repair and replace system component. Duties include: cleaning fuel tanks and distribution lines, removing corrosion and repainting surfaces, overhauling vacuum and pressure vents, floating roof seals, hangers, and roof sumps, and maintaining record of inspections and repairs.

LINE NUMBER 58: GENERAL MAINTENANCE WORKER

Job Duties: The General Maintenance Worker performs general maintenance and repair of equipment and buildings requiring practical skill and knowledge (but not proficiency) in such trades as painting, carpentry, plumbing, masonry, and electrical work. Work involves a variety of the following duties: replacing electrical receptacles, wires, switches, fixtures, and motors, using plaster or compound to patch minor holes and cracks in walls and ceilings, repairing or replacing sinks, water coolers, and toilets painting structures and equipment; repairing or replacing concrete floors, steps, and sidewalks, replacing damaged paneling and floor tiles, hanging doors and installing door locks, replacing broken window panes, and performing general maintenance on equipment and machinery.

LINE NUMBER 59: HVAC MECHANIC

Job Duties: The Heating, Ventilation, and Air Conditioning Mechanic (Research Facility) installs, modifies and repairs refrigeration – hermetic, semi-hermetic, mechanical, screw, scroll and centrifugal units to 1100 tons; air conditioning, ventilation; reverse osmosis systems, computer rooms; process coolers; ice machines; evaporative cooling; air compressing and related control systems, including pneumatic, DDC, and building control systems equipment. This person performs difficult installation tasks involving assembly, testing, calibrating, and adjusting of temperature control and environmental control systems such as air conditioning plants, air environmental control systems, air distribution systems and complex dual equipment cooling installations, specialized refrigerated warehouses and facilities, and evaporative mechanical ventilation, and dehumidification systems.

The Heating, Ventilation, and Air Conditioning Mechanic (Research Facility) installs new or repaired component and performs complex modifications of systems and components in accordance with applicable electrical publications and directives, and will maintain and repair specialized laboratory equipment such as fume hoods, de-ionized water systems, bio-clean systems, vacuum systems, cascade refrigeration systems, and laboratory sinks. This mechanic may perform complex repair of systems component such as compressors, condensers, heat pumps regulators, fluid and refrigerant gas lines valves, meters, gages, thermostats, pumps, mechanical linkage, and electrical sensing, switching and controlling devices including pneumatic controls, variable speed drives, digital controlled devices, electronic, hydraulic heating and cooling and economizer systems.

LINE NUMBER 60: HEAVY EQUIPMENT MECHANIC

Job Duties: The Heavy Equipment Mechanic analyzes malfunctions and repairs, rebuilds and maintains power equipment, such as cranes, power shovels, scrapers, paving machines, motor graders, trench-digging machines, conveyors, bulldozers, dredges, pumps, compressors and pneumatic tools. This worker operates and inspects machines or equipment to diagnose defects, dismantles and reassembles equipment, using hoists and hand tools, examines parts for damage or excessive wear, using micrometers and gauges, replaces defective engines and subassemblies, such as transmissions, and tests overhauled equipment to insure operating efficiency. The mechanic welds broken parts and structural members, may direct workers engaged in cleaning parts and assisting with assembly and disassembly of equipment, and may repair, adjust and maintain mining machinery, such as stripping and loading shovels, drilling and cutting machines, and continuous mining machines.

LINE NUMBER 61: HEAVY EQUIPMENT OPERATOR

Job Duties: The Heavy Equipment Operator operates heavy equipment such as cranes, clamshells, power shovels, motor graders, heavy loaders, carryalls, bulldozers, rollers, scrapers, and large industrial tractors with pan or scrapper attachments. Equipment is used to excavate, load, or move dirt, gravel, or other materials. Operator may read and interpret grade and slope stakes and simple plans, and may grease, adjust and make emergency repairs to equipment.

LINE NUMBER 62: INSTRUMENT MECHANIC

Job Duties: The Instrument Mechanic installs, repairs, maintains, and adjusts indicating, recording, telemetering, and controlling instruments used to measure and control variables, such as pressure, flow, temperature, motion, force, and chemical composition, using hand tools and precision instruments. This worker disassembles malfunctioning instruments, examines and tests mechanism and circuitry for defects; troubleshoots equipment in or out of control system and replaces or repairs defective parts, reassembles instrument and tests assembly for conformance with specifications, using instruments, such as potentiometer, resistance bridge, manometer, and pressure gauge; inspects instruments periodically, and makes minor calibration adjustments to insure functioning within specified standards. This mechanic may adjust and repair final control mechanisms, such as automatically controlled valves or positioners, and may calibrate instruments according to established standards.

LINE NUMBER 63: LABORER

Job Duties: The Laborer performs tasks that require mainly physical abilities and effort involving little or no specialized skill or prior work experience. The following tasks are typical of this occupation: The Laborer loads and unloads trucks, and other conveyances, moves supplies and materials to proper location by wheelbarrow or hand truck; stacks materials for storage or binning, collects refuse and salvageable materials, and digs, fills, and tamps earth excavations, The Laborer levels ground using pick, shovel, tamper and rake, shovels concrete and snow; cleans culverts and ditches, cuts tree and brush; operates power lawnmowers, moves and arranges heavy pieces of office and household furniture, equipment, and appliance, moves heavy pieces of automotive, medical engineering, and other types of machinery and equipment, spreads sand and salt on icy roads and walkways, and picks up leaves and trash.

LINE NUMBER 64: MACHINERY MAINTENANCE MECHANIC

Job Duties: The Machinery Maintenance Mechanic repairs machinery or mechanical equipment. Work involves most of the following: examining machines and mechanical equipment to diagnose source of trouble, dismantling or partly dismantling machines and performing repairs that mainly involve the use of hand tools in scraping and fitting parts. Responsibilities

include replacing broken or defective parts with items obtained from stock, and ordering the production of a replacement part by a machine shop or sending the machine to a machine shop for major repairs. Duties also include preparing written specifications for major repairs or for the production of parts ordered from machine shops, reassembling machines and making all necessary adjustments for operation. In general, the work of a Machinery Maintenance Mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience. Excluded from this classification are workers whose primary duties involve setting up or adjusting machines.

LINE NUMBER 65: MACHINIST, MAINTENANCE

Job Duties: The Machinist, Maintenance produces replacement parts and new parts in making repairs of metal parts of mechanical equipment. Work involves most of the following: interpreting written instructions and specifications, planning and laying out of work, using a variety of machinist's hand tools and precision measuring instruments, setting up and operating standard machine tools. This incumbent is responsible for the shaping of metal parts to close tolerances, making standard shop computations relating to dimensions of work, tooling, feeds, and speeds of machining; knowledge of the working properties of the common metals, selecting standard materials, parts, and equipment required for this work; and fitting and assembling parts into mechanical equipment. In general, the machinist's work normally requires a rounded training in machine-shop practice, usually acquired through a formal apprenticeship or equivalent training and experience.

LINE NUMBER 66: MAINTENANCE TRADES HELPER

Job Duties: The Maintenance Trades Helper assists one or more workers in the skilled maintenance trades by performing specific or general duties of lesser skill such as: keeping a worker supplied with materials and tools, cleaning working area, machine, and equipment; assisting journeyman by holding materials or tools; and performing other unskilled tasks as directed by journeyman. The kind of work the helper is permitted to perform varies from trade to trade. In some trades the helper is confined to supplying, lifting, and holding materials and tools, and cleaning working areas and in others, the worker is permitted to perform specialized machine operations, or parts of a trade that are also performed by workers on a full-time basis.

LINE NUMBER 67: MILLWRIGHT

Job Duties: The Millwright installs new machines or heavy equipment, and dismantles and installs machines or heavy equipment when changes in the plant layout are required. Work involves most of the following: planning and laying out work; interpreting blueprints or other specifications, using a variety of hand tools and rigging; making standard shop computations relating to stresses, strength of materials, and centers of gravity, aligning and balancing equipment, selecting standard tools, equipment and parts to be used, and installing and maintaining in good order power transmission equipment such as drives and speed reducers. In general, the Millwright's work normally requires a rounded training and experience in the trade acquired through a formal apprenticeship or equivalent training and experience.

LINE NUMBER 68: PAINTER, MAINTENANCE

Job Duties: The Painter, Maintenance paints and redecorates walls, woodwork and fixtures. Work involves the following: knowledge of surface peculiarities and types of paint required for different applications, preparing surface for painting by removing old finish or by placing putty or filler in nail holes and interstices, and applying paint with spray gun or brush. This person may mix colors, oils, white lead and other paint ingredients to obtain proper color or consistency. In general, the work of the maintenance painter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

LINE NUMBER 69: PNEUDRAULIC SYSTEMS MECHANIC

Job Duties: The Pneudraulic Systems Mechanic maintains, modifies, and repairs hydraulic and pneumatic systems and components that actuate mechanisms or produce, control, and regulate the flow of fluids (liquids and gases), tests for and isolates malfunctions in hydraulic and pneumatic systems or components, utilizing technical manuals and schematics, and modifies, repairs or disassembles and overhauls systems or components.

LINE NUMBER 70: RIGGER

Job Duties: A Rigger assembles rigging to lift and move equipment or material in manufacturing plant or shipyard, selects cables, ropes, pulleys, winches, blocks, and sheaves, according to weight and size of load to be moved, attaches pulley and blocks to fixed overhead structures, such as beams, ceilings, and gin pole booms, with bolts and clamps, attaches load with grappling devices, such as loops, wires, ropes and chains, to crane hook, gives directions to Bridge-or-Gantry-Crane Operator or Hoisting Engineer engaged in hoisting and moving loads to insure safety of workers and material handled, using hand signals, loudspeaker, or telephone. The Rigger also sets up, braces, and rigs hoisting equipment, using hand tools and power wrenches, splices rope and wire cables to make or repair slings and tackle, and may direct workers engaged in hoisting machinery and equipment into ships.

LINE NUMBER 71: SCALE MECHANIC

Job Duties: The Scale Mechanic installs, calibrates, and repairs weighing scales, using hand tools, power tools, and standard test weights, moves scale into position, using hoists and rollers, inserts shims between scale base and foundation to level scale, secures scale to foundation, using hand tools. This worker tests scale, using certified weights, and adjusts pivots, dial settings, and pendulums to ensure that weight indication meets legal specifications, turns setscrews to adjust spring scales disassembles scales and repairs or replaces worn or damaged parts, such as pivots and bearings. This worker straightens, cleans, and repaints structural parts of scale, and may install, adjust and repair electronically controlled scales.

LINE NUMBER 72: SHEET-METAL WORKER, MAINTENANCE

Job Duties: The Sheet-Metal Worker, Maintenance fabricates, installs and maintains in good repair the sheet-metal equipment and fixtures (such as machine guards, grease pans, shelves, lockers, tanks, ventilators, chutes, ducts, metal roofing) of an establishment. Work involves most of the following: planning and laying out all types of sheet-metal maintenance work from blueprints, models, or other specifications, setting up and operating all available types of sheet-metal working machines, using a variety of hand tools in cutting, bending, forming, shaping, fitting and assembling, and installing sheet-metal articles as required. In general, the work of the maintenance sheet-metal worker requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

LINE NUMBER 73: SMALL ENGINE MECHANIC

Job Duties: The Small Engine Mechanic repairs fractional-horsepower gasoline engines used to power lawnmowers, garden tractors, and similar machines, using hand tools, locates causes of trouble, dismantles engines, using hand tools, and examines parts for defects, replaces or repairs parts, such as rings and bearings, cleans and adjusts carburetor and magneto, starts repaired engines and listens to sounds to test performance.

LINE NUMBER 74: WELDER, COMBINATION, MAINTENANCE

Job Duties: This incumbent welds metal components together to fabricate or repair products, such as machine parts, plant equipment, mobile homes, motors and generators, according to layouts, blueprints or work orders, using brazing and a variety of arc and gas welding equipment. This worker welds metal parts together, using both gas welding or brazing and any combination of arc welding processes, performs related tasks such as thermal cutting and grinding, repairs broken or cracked parts, fills holes and increases size of metal parts, positions and clamps together components of fabricated metal products preparatory to welding. This worker may locate and repair cracks in industrial engine cylinder heads, using inspection equipment and gas torch, may perform repairs only and be required to pass employer performance tests or standard tests to meet certification standards of governmental agencies or professional and technical associations. Note: Employees welding aircraft and ground support equipment should be classified as an Aerospace Structural Welder.

LINE NUMBER 75: BLOCKER AND BRACER

Job Duties: The Blocker and Bracer secures cargo in or aboard cargo carriers such as trucks, vans, trailers, railroad cars, sea vans, barges and ships to prevent damage during its transportation, determines appropriate lumber size and kind and

prepares the lumber required for braces, chocks, blocks, beams, planking, cribbing, skids, cradles, saddles, etc., using hand and power tools. This worker nails, spikes, bolts, or fastens with wood screws or lag screws supporting and bracing fixtures to secure cargo items, constructs weatherproof shelters over some types of deck loads, guys, lashes and binds heavy equipment to pad eyes, rings, eyelets, hooks, stanchions, cleats, or other supporting fixtures using chains, ropes, cable, wires or metal straps. This worker constructs temporary trestles, decking, bulkheads, cribbing and sheathing, and cuts dunnage to support, stiffen, or separate bulky or heavy cargo.

LINE NUMBER 76: HATCH TENDER

Job Duties: The Hatch Tender signals Winch Operator (water trans.) to transfer cargo from dock to ship's hold or from ship's hold to dock, observes workers attaching or detaching slings to or from loads to determine moment for signaling, waves arms to indicate ready signal for transfer of cargo, and may alternate jobs with Winch Operator.

LINE NUMBER 77: LINE HANDLER

Job Duties: The Line Handler secures and removes ship's docking lines to and from dock, catches lines heaved from ship attempting to dock, drags lines to bitts on dock and slips eye of mooring lines over bitts, removes lines from bitts when ships depart, and may drive vehicle to pull in docking lines.

LINE NUMBER 78: STEVEDORE I

Job Duties: The Stevedore I loads and unloads ships' cargos, carries or moves cargo by hand truck to wharf and stacks cargo on pallets or cargo boards to facilitate transfer to and from ship, stacks cargo in transit shed or in hold of ship as directed by Header, and attaches and moves slings used to lift cargo. This worker guides load being lifted to prevent swinging and shores cargo in ship's hold to prevent shifting during voyage. May be called longshoreman or may be designated according to area in which work is performed as stevedore, dock; stevedore, front; stevedore, hold.

LINE NUMBER 79: STEVEDORE II

Job Duties: The Stevedore II operates material handling equipment, such as power winch, grain trimmer, crane, and lift truck, to transfer cargo into or from ship and about dock area, operates crane or winch to load or unload cargo, such as automobiles, crates, scrap, and steel beams, using hook, magnet, or sling attached in accordance with signals from other workers. This worker moves controls to start flow of grain from spouts of grain trimmer, stopping flow and repositioning spout over each hatch when previous hatch is filled.

The Stevedore II drives lift truck along dock or aboard ship to transfer bulk items, such as lumber, pallet-mount machinery, and crated products within range of winch, drives tractor to transfer loaded trailers from warehouse dockside, and may position and fasten hose lines to ships' cargo tanks when loading or unloading liquid cargo, such as animal fats, vegetable oils, molasses, or chemicals. This worker may perform variety of manual duties, such as lashing or shoring cargo aboard ship, attaching slings, hooks, or other lifting devices to winch for loading or unloading, and signaling other workers to move, raise, or lower cargo, and may direct activities of cargo gang consisting of Stevedore I. This worker may also be called longshoremen.

LINE NUMBER 80: CIVIL ENGINEERING TECHNICIAN

Job Duties: This technician assists the Civil Engineer in application of principles, methods, and techniques of civil engineering technology, reviews project specifications and confers with the Civil Engineer concerning assistance required, such as plan preparation, acceptance testing, and evaluation of field conditions, design changes, and reports. This worker conducts materials testing and analysis, using tools and equipment and applying engineering knowledge necessary to conduct tests, prepares reports detailing tests conducted and their results. The Civil Engineering Technician surveys project sites to obtain and analyze topographical details of sites, using maps and surveying equipment, drafts detailed dimensional drawings such as those needed for highway plans, structural steel fabrication, and water control projects. This work involves performing duties as described under Drafter, and calculating dimensions, profile specifications, and quantities of materials such as steel, concrete, and asphalt, using calculator.

LINE NUMBER 81: CBT SPEC/INSTRUCTOR

Job Duties: The Computer Based Training Specialist works with courseware production team to design, develop, revise and validate interactive computer based courseware. This specialist uses specialized computer software and/or hardware to develop, integrate and edit instructional text, audio, graphics, animation and video for interactive presentations. This person also uses appropriate programming/branching logic and screen layout and remediation/feedback techniques. The Worker also implements quality control and review and revision procedures throughout the courseware development process.

LINE NUMBER 82: DRAFTER I

Job Duties: This operator prepares drawings or computer models of simple, easily visualized structures, systems, parts or equipment from sketches or marked-up prints, selects appropriate templates/computer programs or uses a compass and other equipment needed to complete assignments. Drawings and models fit familiar patterns and present few technical problems. Supervisor provides detailed instructions on new assignments, gives guidance when questions arise, and reviews completed work for accuracy. Typical assignments include:

- a. Revisions to the original drawings of a plumbing system by increasing pipe diameters.
- b. Drawing from sketches, the building floor plans, determining size, spacing and arrangement of freehand lettering according to scale.
- c. Drawing simple land profiles from predetermined structural dimensions and reduced survey notes.
- d. Tracing river basin maps and enters symbols to denote stream sampling locations, municipal and industrial waste discharges, and water supplies.
- e. Preparing a computer model of a room, building, structure from data, prints, photos.

LINE NUMBER 83: DRAFTER II

Job Duties: This operator prepares various drawings computer models of such units as construction projects or parts and assemblies, including various views, sectional profiles, irregular or reverse curves, hidden lines, and small or intricate details. Work requires use of most of the conventional drafting and CAD techniques and a working knowledge of the terms and procedures of the occupation. The Draft/CAD Operator II makes arithmetic computations using standard formulas. Familiar or recurring work is assigned in general terms. Unfamiliar assignments include information on methods, procedures, sources of information, and precedents to follow. Simple revisions to existing drawings or computer models may be assigned with a verbal explanation of the desired results. More complex revisions are produced from sketches, computer models or specifications that clearly depict the desired product. Typical assignments include: a. Preparing several views of a simple gear system from a layout and manual references and obtaining dimensions and tolerances from manuals and by measuring the layout. b. Preparing and revising detail and design drawings for such projects as the construction and installation of electrical or electronic equipment, plant wiring, and the manufacture and assembly of printed circuit boards. Drawings typically include details of mountings, frames, guards, or other accessories; conduit layouts; or wiring diagrams indicating transformer sizes, conduit locations and mountings. c. Drawing base and elevation views, sections, and details of new bridges or other structures, revising complete sets of roadway drawings for highway construction projects, or preparing block maps, indicating water and sewage line locations.

LINE NUMBER 84: DRAFTER III

Job Duties: This operator prepares complete sets of complex drawings or computer models that include multiple views, detail drawings, and assembly drawings. Drawings or models include complex design features that require considerable drafting skill to visualize and portray. Assignments regularly require the use of mathematical formulas to draw land contours or to compute weights, center of gravity, load capacities, dimensions, quantities of material, etc. The Draft/CAD Operator works from sketches, computer models, and verbal information supplied by an engineer, architect, or designer to determine the most appropriate views, detail drawings, and supplementary information needed to complete assignments. This operator selects required information from computer programs, and internet sites, precedents, manufacturers' catalogs, and technical guides. This operator independently resolves most of the problems encountered. Supervisor or design originator may suggest methods of approach or provide advice on unusually difficult problems. Typical assignments include:

- a. Prepares complete sets of drawings of test equipment to be manufactured from layouts, models, or sketches. Several cross-sectional and subassembly drawings are required. From information supplied by the design originator and from

technical handbooks and manuals, this operator describes dimensions, tolerances, fits, fabrication techniques, and standard parts to use in manufacturing the equipment.

- b. From electronic schematics, information as to maximum size, and manuals giving dimensions of standard parts, determines the arrangement and prepares drawing of printed circuit boards.
- c. From precedents, drafting standards, and established practices, prepares final construction drawings for floodgates, navigation locks, dams, bridges, culverts, levees, channel excavations, dikes and berms, prepares boring profiles, typical cross-sections, and land profiles; and delineates related topographical details as required.
- d. Prepares final drawings for street paving and widening or for water and sewer lines having complex trunk lines; reduces field notes and calculates true grades. From engineering designs, lays out plan, profile and detail appurtenances required; and notifies supervisor of conflicting details in design.

Excludes drafter performing work of similar difficulty to that described at this level but who provides support for a variety of organizations that have widely differing functions or requirements.

LINE NUMBER 85: DRAFTER IV

Job Duties: This operator works closely with design originators, preparing drawings or computer models of unusual, complex, or original designs that require a high degree of precision, performs unusually difficult assignments requiring considerable initiative, resourcefulness, and drafting expertise. This incumbent assures that anticipated problems in manufacture, assembly, installation, and operation are resolved by the drawing produced, exercises independent judgment in selecting and interpreting data based on knowledge of the design intent. Although working primarily as a drafter, this worker may occasionally interpret general designs prepared by others to complete minor details, may provide advice and guidance to lower level drafters or serve as coordinator and planner for large and complex drafting projects.

LINE NUMBER 86: ENGINEERING TECHNICIAN I

Job Duties: This technician performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. This person performs one or a combination of such typical duties as:

- a. Assembling or installing equipment or parts requiring simple wiring, soldering, or connecting.
- b. Performing simple or routine tasks or tests such as tensile or hardness tests; operating and adjusting simple test equipment; records test data.
- c. Gathering and maintaining specified records of engineering data such as tests, drawings, etc.; performing computations by substituting numbers in specified formulas; plotting data and draws simple curves and graphs.

LINE NUMBER 87: ENGINEERING TECHNICIAN II

Job Duties: The Engineering Technician II performs standardized or prescribed assignments involving a sequence of related operations, follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments. Technical adequacy of routine work is reviewed on completion; non-routine work may be reviewed in progress. This technician performs at this level, one or a combination of such typical duties as:

- a. Following specific instructions, assembles or constructs simple or standard equipment or parts, servicing or repairing simple instruments or equipment;
- b. Conducting a variety of tests using established methods, preparing test specimens, adjusting and operating equipment, recording test data, and pointing out deviations resulting from equipment malfunction or observational errors;
- c. Extracting engineering data from various prescribed but non-standardized sources, processing the data following well-defined methods including elementary algebra and geometry, and presenting the data in prescribed form.

LINE NUMBER 88: ENGINEERING TECHNICIAN III

Job Duties: The Engineering Technician III performs assignments that are not completely standardized or prescribed, selects or adapts standard procedures or equipment, using fully applicable precedents, receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed, performs recurring work independently. Work is reviewed for technical adequacy or conformity with instructions. This technician performs at this level one or a combination of such typical duties as:

- a. Constructing components, subunits, or simple models or adapts standard equipment; may troubleshoot and correct malfunctions;
- b. Following specific layout and scientific diagrams to construct and package simple devices and subunits of equipment.
- c. Conducting various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement, selecting, preparing, and operating standard test equipment and records test data;
- d. Extracting and compiling a variety of engineering data from field notes, manuals, lab reports, etc., processing data, identifying errors or inconsistencies, selecting methods of data presentation.
- e. Assisting in design modification by compiling data related to design, specifications, and materials that are pertinent to specific items of equipment or component parts; developing information concerning previous operational failures and modifications, and using judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.

LINE NUMBER 89: ENGINEERING TECHNICIAN IV

Job Duties: The Engineering Technician IV performs non-routine assignments of substantial variety and complexity, using operational precedents that are not fully applicable, such assignments that are typically parts of broader assignments, are screened to eliminate unusual design problems. This incumbent may plan such assignments. This technician receives technical advice from supervisor or engineer. Work is reviewed for technical adequacy (or conformity with instructions). This position may be assisted by lower level technicians and have frequent contact with professionals and others within the establishment, and performs one or a combination of such typical duties as:

- a. Developing or reviewing designs by extracting and analyzing a variety of engineering data, applying conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, electrical drawings and parts lists. (Examples of designs include: detailed circuit diagrams; hardware fittings or test equipment involving a variety of mechanisms; conventional piping systems; and building site layouts).
- b. Conducting tests or experiments requiring selection and adaptation or modification of a wide variety of critical test equipment and test procedures, preparing and operating equipment, recording data, measuring and recording problems of significant complexity that sometimes require resolution at a higher level, and analyzes data and prepares test reports.
- c. Applying methods outlined by others to limited segments of research and development projects, constructing experimental or prototype models to meet engineering requirements; conducts tests or experiments and redesigns as necessary and recording and evaluating data and reports findings.

LINE NUMBER 90: ENGINEERING TECHNICIAN V

Job Duties: This technician performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project, selects and adapts plans, techniques, designs, or layouts, contacts personnel in related activities to resolve problems and coordinate the work, reviews, analyzes, and integrates the technical work of others. Supervisor or professional engineer outlines objectives, requirements, and design approaches. Completed work is reviewed for technical adequacy and satisfaction of requirements. This incumbent may train and be assisted by lower level technicians, and performs one or a combination of the following:

- a. Designs, develops, and constructs major units, devices, or equipment; conducts tests or experiments; analyzes results and redesigns or modifies equipment to improve performance; and reports results.
- b. From general guidelines and specifications (e.g., size or weight requirements), develops designs for equipment without critical performance requirements that are difficult to satisfy such as engine parts, research instruments, or special purpose circuitry. Analyzes technical data to determine applicability to design problems; selects from several possible design layouts; calculates design data; and prepares layouts, detailed specifications, parts lists, estimates, procedures, etc. May check and analyze drawings or equipment to determine adequacy of drawings and design.
- c. Plans or assists in planning tests to evaluate equipment performance. Determines test requirements, equipment modification, and test procedures; conducts tests using all types of instruments; analyzes and evaluates test results, and prepares reports on findings and recommendations.

LINE NUMBER 91: ENGINEERING TECHNICIAN VI

Job Duties: This technician independently plans and accomplishes complete projects or studies of broad scope and complexity, or serves as an expert in a narrow aspect of a particular field of engineering, e.g., environmental factors affecting electronic engineering. Complexity of assignments typically requires considerable creativity and judgment to devise approaches to accomplish work, resolve design and operational problems, and make decisions in situations where standard engineering methods, procedures, and techniques may not be applicable. Supervisor or professional engineer provides advice on unusual or controversial problems or policy matters. Completed work is reviewed for compliance with overall project objectives. This worker may supervise or train and be assisted by lower level technicians, and performs, one or a combination of the following:

- a. Prepares designs and specifications for various complex equipment or systems (e.g., a heating system in an office building, or new electronic components such as solid state devices for instrumentation equipment).
- b. Plans approach to solve design problems; conceives and recommends new design techniques; resolves design problems with contract personnel, and assures compatibility of design with other parts of the system.
- c. Designs and coordinates test set-ups and experiments to prove or disprove the feasibility of preliminary design; uses untried and untested measurement techniques; and improves the performance of the equipment. May advise equipment users on redesign to solve unique operational deficiencies.
- d. Plans approach and conducts various experiments to develop equipment or systems characterized by (a) difficult performance requirements because of conflicting attributes such as versatility, size, and ease of operation; or (b) unusual combination of techniques or components. Arranges for fabrication of pilot models and determines test procedures and design of special test equipment.

LINE NUMBER 92: FLIGHT SIMULATOR/INSTRUCTOR (PILOT)

Job Duties: The Flight Instructor provides individual flight, and ground instructions to military, civilian or international student pilots in a highly structured training environment. Flight instruction may be performed in a high performance aerobatic aircraft with students who have limited or no previous flight experience. Instruction is based on highly structured syllabus of instruction. Instructors must be able to tailor instruction to students' individual progress and previous qualifications. Instructors must be skilled in providing instructions limited by daily flight schedule. This person maintains training folders that accurately reflect student performance and progress, documents student deficiencies and suggests corrective actions, and motivates students having problems with performance or adaptation to the flight environment. Instructors may also be required to qualify as an observer, monitoring aircraft in the traffic pattern and providing aircraft clearance information to maintain safe and efficient traffic flow. Instructors may also be required to qualify as an area controller who assigns areas to and monitors aircraft in the local training areas, including providing for aircraft separation for arriving and departing aircraft.

LINE NUMBER 93: GRAPHIC ARTIST

Job Duties: The Graphic Artist works with the courseware production team to design and develop graphic/visual effects used in courseware material. This position requires the use of specialized computer software to develop high quality computer illustrations, technical drawings, and animations supporting various media used within the training curriculum. The Graphic Artist is capable of using specialized hardware and/or software for video/audio capture and editing of multimedia presentations, incorporates principles of layout design throughout the courseware production process, and is responsible for quality control, review and revision of all aspects of graphics development.

LINE NUMBER 94: INSTRUCTOR

Job Duties: The Technical Instructor teaches one or more short courses in a technical trade or craft such as electricity, electronics, surveying, aircraft or ship fundamentals, prepares an instructional program in accordance with training or other course requirements, assembling materials to be presented. The incumbent teaches assigned topics in accordance with approved curriculum effectively utilizing all allotted time, maintains proficiency in instructional techniques, incorporates current examples in the teaching process (e.g. develops clarification or real world examples of application related to the subject matter); develops and maintains classroom techniques that reflect professionalism, good discipline and enhance teaching. The Technical Instructor alternates teaching techniques in order to maintain high motivation and interest in the subject areas, administers grades, records and critiques examinations; prepares and administers remedial assignments,

submits written recommendations for curriculum updates to ensure consistency with changes and innovations in latest applicable publications or documents.

LINE NUMBER 95: TECHNICAL WRITER

Job Duties: Under general supervision, the Technical Writer writes and edits technical reports, brochures, and/or manuals for internal documentation, customer reference, or publication. This person researches and analyzes available literature and verifies copy with appropriate departments, and may coordinate production and distribution of materials.

LINE NUMBER 96: TRUCK DRIVER, LIGHT TRUCK

Job Duties: The Truck driver drives a truck to transport materials, merchandise, equipment, or workers between various types of establishments such as: manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. This driver may also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order. **Straight truck, less than 1-1/2 tons, usually 4 wheels.**

LINE NUMBER 97: TRUCK DRIVER, MEDIUM TRUCK

Job Duties: The Truck driver drives a truck to transport materials, merchandise, equipment, or workers between various types of establishments such as: manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. This driver may also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order. **Straight truck, 1-1/2 to 4 tons inclusive, usually 6 wheels.**

LINE NUMBER 98: TRUCK DRIVER, HEAVY TRUCK

Job Duties: The Truck driver drives a truck to transport materials, merchandise, equipment, or workers between various types of establishments such as: manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. This driver may also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order. **Straight truck, over 4 tons, usually 10 wheels.**

LINE NUMBER 99: TRUCK DRIVER, TRACTOR-TRUCK

Job Duties: The Truck driver drives a truck to transport materials, merchandise, equipment, or workers between various types of establishments such as: manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. This driver may also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order. A trailer having a set or several sets of wheels at the rear only, with the forward portion being supported by the truck tractor or towing vehicle.

LINE NUMBER 100: BOATSWAIN

(CATEGORY DELETED)

LINE NUMBER 101: SEAMAN

(CATEGORY DELETED)

LINE NUMBER 102: ABLE SEAMAN, WATCH

(CATEGORY DELETED)

LINE NUMBER 103: ABLE SEAMAN, MAINTENANCE

(CATEGORY DELETED)

LINE NUMBER 104: ABLE SEAMAN, DAY/DECK UTILITY

(CATEGORY DELETED)

LINE NUMBER 105: ORDINARY SEAMAN

(CATEGORY DELETED)

LINE NUMBER 106: ELECTRICIAN

(CATEGORY DELETED)

LINE NUMBER 107: CHIEF ELECTRICIAN

(CATEGORY DELETED)

LINE NUMBER 108: ELECTRICIAN/SECOND ELECTRICIAN

(CATEGORY DELETED)

LINE NUMBER 109: ENGINE UTILITYMAN

(CATEGORY DELETED)

LINE NUMBER 110: FIREMAN-WATERTENDER

(CATEGORY DELETED)

LINE NUMBER 111: OILER/DIESEL OILER

(CATEGORY DELETED)

LINE NUMBER 112: PLUMBER-MACHINIST

Job Duties: The Plumber, Maintenance assembles, installs and repairs pipes, fittings and fixtures of heating, water, and drainage systems, according to specifications and plumbing codes, studies building plans and working drawings to determine work aids required, and sequence of installations. This worker inspects structure to ascertain obstructions to be avoided to prevent weakening of structure resulting from installation of pipe, and locates and marks position of pipe and pipe connections and passage holes for pipes in walls and floors. This worker cuts openings in walls and floors to accommodate

pipe and pipe fittings, using hand tools and power tools, cuts and threads pipe, using pipe cutters, cutting torch, and pipe-threading machine, bends pipe to required angle by use of pipe-bending machine, or by placing pipe over block and bending it by hand.

The Plumber, Maintenance assembles and installs valves, pipefittings, and pipes composed of metals, such as iron, steel, brass and lead, and nonmetals, such as glass, vitrified clay, and plastic. This person joins pipe by use of screws, bolts, fittings, solder, plastic solvent, and caulks joints, fills pipe system with water or air and reads pressure gauges to determine whether system is leaking, installs and repairs plumbing fixtures, such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers, and water softeners. This person repairs and maintains plumbing by replacing washers in leaky faucets, mending burst pipes, and opening clogged drains, and may weld holding fixtures to steel structural members.

LINE NUMBER 113: PUMPMAN, CHIEF PUMPMAN, ETC. (CATEGORY DELETED)

LINE NUMBER 114: REFRIGERATION ENGINEER (CATEGORY DELETED)

LINE NUMBER 115: UNLICENSED JR. ENGINEER/QMED, ETC. (CATEGORY DELETED)

LINE NUMBER 116: WIPER (CATEGORY DELETED)

LINE NUMBER 117: GENERAL VESSEL ASSISTANT (CATEGORY DELETED)

EDUCATION/EXPERIENCE: ALL THE SCA ELIGIBLE LABOR CATEGORIES LISTED ABOVE REQUIRE AT LEAST A MINIMUM OF HIGH SCHOOL DIPLOMA OR GED. ALL LABOR CATEGORIES IDENTIFIED AS SCA ELIGIBLE ARE IN ACCORDANCE WITH THE CODES IDENTIFIED IN THE SCA DIRECTORY OF OCCUPATIONS (FIFTH EDITION).

PROFESSIONAL LABOR CATEGORIES

LINE NUMBER 118: ARMAMENTS TECHNICIAN

Job Duties: Applies existing small arms repair parts and new parts in making minor repairs of small arms sights and firing mechanisms. Work may include the following: Sight alignments, repairs of firing assembly, replacing small arms mechanical parts. Rounded training in machine-shop practice usually acquired through a formal apprenticeship or equivalent training and experience is required.

Education/Experience: High School Diploma or GED. One or more years related experience.

LINE NUMBER 119: AUTO CAD TECHNICIAN

Job Duties: Produces complex three dimensional drawings to be used in the documentation of technical manuals and product development. These drawings are produced from outdated publications, hand drafted sketches or verbal description. Plots and/or prints completed drawings to be delivered for documentation or production. Determines level of complexity, time involved to complete drawings, and how best to set up drawing environments. Maintains and updates all levels of drawings for future reference and tracking. Maintains back-up files. Requires knowledge of personal computers and peripherals to include plotters and printers.

Education/Experience: High school diploma or GED. Two years or more of general work experience as entry-level technician in a drafting or engineering setting.

LINE NUMBER 120: CALIBRATIONS STANDARDS SPECIALIST

Job Duties: Provides specialized support to the calibration standards program operations. Oversees administration of program which may include: instructing warehouse and/or data-entry staff on program operations; communicating program to customers and vendors; and evaluating, enhancing, and maintaining tracking software associated with the program. Coordinates activities of workers in remote locations for calibration standards program. Maintains and communicates program policies and operating procedures. Establishes operating procedures for program including Coordinating software development and maintenance. Establishes logistics, shipping, tracking, and invoicing procedures among vendors. Ensures that all new calibration standards are incorporated into program database and obsolete standards are removed.

Education/Experience: High School diploma or GED. Ten years or more experience in logistics, supply support, and management.

LINE NUMBER 121: CHIEF ENGINEER (MARITIME)

Job Duties: Supervises and Coordinates activities of crew engaged in operating and maintaining propulsion and other engines, boilers, deck machinery, and electrical, refrigeration, and sanitary equipment aboard ship. Inspects engines and other equipment and orders crew to repair or replace defective parts. Starts engines to propel ship and regulates engines and power transmission to control speed of ship. Stands engine-room watch during specified periods, observing that required water levels are maintained in boilers, condensers, and evaporators, load on generators is within acceptable limits, and oil and grease cups are kept full. Repairs machinery, using hand tools and power tools. Maintains engineering log and bell book (orders for changes in speed and direction of ship). May be required to hold appropriate US Coast Guard license, depending upon tonnage of ship, type of engines, and means of transmitting power to propeller shaft.

Education/Experience: High School diploma or GED. Three years or more experience supervising the routine operation, preventive maintenance, and repair of shipboard electrical systems.

LINE NUMBER 122: CONFIGURATION SPECIALIST I

Job Duties: Assimilates proper technical information and distributes that information to the field. Strong background in drawing procedures, management, and change control. Knowledge of configuration management sufficient to provide timely and accurate information and materials to field. Ability to use and edit databases.

Education/Experience: High School diploma or GED is required. Three years or more experience in configuration management or support position.

LINE NUMBER 123: CONFIGURATION SPECIALIST II

Job Duties: Provides MIS scheduling support, system security support, and field distribution support. Ability to use and edit databases. Knowledge of configuration management sufficient to provide timely and accurate information and materials to field is required.

Education/Experience: High School diploma or GED. Five years or more experience in configuration management or support position.

LINE NUMBER 124: CONFIGURATION SPECIALIST III

Job Duties: Provides MIS scheduling support, system security support, and field distribution support. Assimilates proper technical information and distributes that information to the field. Knowledge of configuration management sufficient to provide timely and accurate information and materials to field. Ability to use and edit databases.

Education/Experience: Bachelor's degree in engineering, management sciences or related discipline. Five years or more experience in configuration management or support position. Four years experience may be substituted for degree requirement.

LINE NUMBER 125: CONTINUOUS ACQUISITION LIFE- CYCLE SUPPORT (CALS) SPECIALIST I

Job Duties: A working knowledge of CALS methodologies, and the ability to translate that into operational and system requirements. Technical knowledge to develop technical data requirements related to CALS methodologies. Ability to maintain working level knowledge of CALS. In-depth knowledge of government CALS implementation policies and procedures.

Education/Experience: Bachelor's degree in business, management, engineering or other related field. One or more years experience working with CALS methodologies. Four years experience may be substituted for degree requirement.

LINE NUMBER 126: CONTINUOUS ACQUISITION LIFE-CYCLE SUPPORT (CALS) SPECIALIST II

Job Duties: Provides technical guidance to the development and execution of CALS strategy. Provides guidance and expertise in the area of CALS policy development, technical data requirements, and CALS compliance for specific programs/projects. Provides support in the form of CALS knowledge and/or guidance. Attends, participates in, and may chair committee meetings and other meetings in support of CALS methodologies. Contributes directly to the development and maintenance of CALS knowledge and expertise. Reviews and provides recommendations for technical data requirements sections of Requests for Proposals (RFPs) or proposal documents in support of CALS methodologies. Establishes and maintains liaison with industry and government agencies implementing CALS strategies and requirements in their technical information processing activities. Provides guidance to the development of orders and directives that define CALS requirements. Utilizes expert knowledge in the creation of CALS standards used as a benchmark for guidance in the development of orders and directives involving CALS requirements.

Education/Experience: Bachelor's degree in Computer Science or related discipline. Three years or more dedicated experience working with CALS methodologies. Four years experience may be substituted for degree requirement.

LINE NUMBER 127: COURSE DEVELOPER

Job Duties: Conducts the research necessary to develop and revise training courses and prepares appropriate training catalogs. Develops all instructor material (course outline, background material and training aids). Develops all student material (course manuals, workbooks, handouts, completion certificates, and course critique forms).

Education/Experience: Bachelor's degree in related area and at least 2 years of experience in the field or in a related area. Four years of experience may be substituted for education requirements.

LINE NUMBER 128: CRAFTMASTER

Job Duties: Responsible for the safe and efficient operation and maintenance of watercraft. Supervises the crew of the craft to include distribution of work assignments, reviewing completed work, training new crewmembers, and providing on-going feedback to the crew on their performance. Oversees all scheduled and unscheduled maintenance on all craft machinery, navigation equipment, radar, and other equipment. US Coast Guard license as a master of inspected motor vessels. Oversight experience in the operation and maintenance of the engineering plant, deck machinery, fire fighting, and other emergency equipment. Demonstrated experience with both the international and US inland rules of the road. Demonstrated experience with marine radio voice communication procedures and practices. Responsible for the safe and efficient operation and maintenance of watercraft.

Education/Experience: High School diploma or GED. Three years or more progressive experience aboard vessels operating under conditions requiring precise navigation, station keeping, close quarter maneuvering, precision anchoring, and towing.

LINE NUMBER 129: CRAFTMASTER - SITE MANAGER

Job Duties: Operates, maintains, and supervises the operation and maintenance of watercraft. Supervises the staff of each boat and shore staff to include distribution of work assignments, reviewing completed work, training new staff, completing performance appraisals, and providing on-going feedback to staff on performance. Other duties may include performing scheduled and unscheduled maintenance, providing technical support to staff on problems.

Education/Experience: High School diploma or GED. Three years or more progressive experience and one year as supervisor aboard vessels operating under conditions requiring precise navigation, station keeping, close quarter maneuvering, precision anchoring, and towing.

LINE NUMBER 130: DATA COLLECTOR

Job Duties: Collects, records, and reports maintenance, usage, and repair data on military vehicles. Provides information to improve training procedures and equipment performance. Provides information to identify problem areas and determine system effectiveness. Collects accurate and comprehensive vehicle maintenance data at the motor pool and field exercise sites by applying a disciplined, professional approach to interviewing government and contract logistics personnel. Organizes and maintains logbooks and working and historical files on all assigned vehicles. Researches diagnostic, maintenance, and parts information, utilizing technical manuals, maintenance publications, federal/army logistics catalog, army master data file and logistics support analysis reference information. Performs other related duties.

Education/Experience: High School diploma or GED. Three years of experience in logistics.

LINE NUMBER 131: DATA SECURITY ANALYST

Job Duties: Directs the data security plan. Responsible for the security of classified information on computer systems. Implements the unclassified and classified computer security programs. Audits computer systems for waste, fraud, or abuse by users. Ensures classified security procedures are followed. Trains users on classified and unclassified computer usage. Maintains and executes security awareness programs.

Education/Experience: Bachelor's degree in computer science or related field. Four years or more experience working with computer and computer security systems. Four years experience may be substituted for degree.

LINE NUMBER 132: DATABASE MANAGEMENT SPECIALIST I

Job Duties: Capable in business analysis and system design and development. Ability to manage multiple projects. Experience is required in industry-standard applications environment and data warehouse development.

Education/Experience: Bachelor's degree in Business/Computer Science or related field. Four years experience may be substituted for degree. Two or more years related experience. Master's degree may substitute for experience.

LINE NUMBER 133: DATABASE MANAGEMENT SPECIALIST II

Job Duties: Requires enterprise-wide conceptual design, logical, and physical data modeling and system implementation experience. Excellent communication, organizational, time management, and customer service skills are needed. Ability to identify issues and determine solutions. Experience in development, testing and implementation of medium to large size systems with the ability to manage cross-functional projects is a plus. Should have familiarity with industry-standard systems applicable to the specific assignments. Projects involve end-to-end data warehouse and data access solutions development and deployment. Responsible for evaluating business and systems requirements, successfully implementing systems solutions, and managing multiple projects and project teams to deliver database web-based applications.

Education/Experience: Bachelor's degree in Business/Computer Science or related field. Four to six years related experience. Four years experience may be substituted for degree. Master's degree may substitute for four years experience.

LINE NUMBER 134: DATABASE MANAGEMENT SPECIALIST III

Job Duties: Qualified in systems analysis and design using industry-standard systems and techniques applicable to the specific assignments, business rule specification, and development of applications. Qualified in all Data Base Management Systems (DBMS) activities from application design and development to systems integration, maintenance and upgrade of existing code. Must be capable of implementing program functions including batch data interfaces to multiple downstream applications; backend database triggers for online transactional applications; custom reporting from database.

Education/Experience: Bachelor's degree CS/CIS/MIS or related field. Experience in leading teams in the development of large-scale technical computing systems, including data warehouse applications, is required. Eight years or more related experience, including project lead or project management experience. Master's degree may substitute for four years experience. Four years experience may be substituted for degree.

LINE NUMBER 135: DEPUTY PROGRAM MANAGER

Job Duties: Assists the Program Manager in all aspects of program performance (i.e., technical, contractual, administrative, and financial). Assists in managing and supervising personnel involved in all aspects of program activity. Assists in organizing and assigning responsibilities to subordinates and oversees the successful completion of all assigned tasks. Strong analytical abilities and project management skills. Ability to work independently and make appropriate decisions as necessary. Ability to communicate effectively both verbally and in writing. Ability to use a personal computer and basic word processing, spreadsheet and database software.

Education/Experience: Bachelor's degree in business, management, engineering, or science experience. Four years experience may be substituted for degree.

LINE NUMBER 136: DOCUMENTATION SPECIALIST I

Job Duties: Provides a variety of administrative and clerical support to general operations. Ability to competently operate a personal computer, enter and retrieve data, and arrange information for reports.

Education/Experience: High school diploma or GED required. No experience required.

LINE NUMBER 137: DOCUMENTATION SPECIALIST II

Job Duties: Performs general administrative tasks in support of editorial activities such as proofreading, formatting documents, general status reports, typing correspondence, photocopying documents. Strong communication skills. Knowledge of word processing, spreadsheet, graphics, and/or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Knowledge of basic mathematics and grammar.

Education/Experience: High School diploma or GED required. Three or more years of general office experience. Some experience as a proofreader preferred.

LINE NUMBER 138: DOCUMENTATION SPECIALIST III

Job Duties: Responsible for editing technical documents. Ensures projects are completed in a timely manner. Strong project management skills. Knowledge of basic word-processing, spreadsheet, graphics, and/ or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Strong writing skills with knowledge of basic grammar and editing marks. Senior level analyzing, problem-solving, and writing skills.

Education/Experience: Associate degree in English or Technical Writing or equivalent. Five or more years of technical documentation processing experience. One or more years supervisory experience preferred. Four years of experience may be substituted for education requirement.

LINE NUMBER 139: DOCUMENTATION SPECIALIST IV

Job Duties: Oversees the editing of technical documents. May supervise staff of technical editors, data collectors, and documentation specialists. Acts as project manager and ensures projects are completed in a timely manner. Knowledge of basic word-processing, spreadsheet, graphics, and/ or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Strong writing skills with knowledge of basic grammar and editing marks. Strong project management skills. Senior level analyzing, problem-solving, and writing skills.

Education/Experience: Bachelor's degree in English or equivalent. Seven or more years of technical documentation processing experience. One to three years supervisory experience preferred. Four years of experience may be substituted for education requirement.

LINE NUMBER 140: ENGINEER (MARITIME)

Job Duties: Supervises and Coordinates activities of crew engaged in operating and maintaining propulsion engines and other engines, boilers, deck machinery, and electrical, refrigeration, and sanitary equipment aboard ship. Inspects engines and other equipment and orders crew to repair or replace defective parts. Starts engines to propel ship and regulates engines and power transmission to control speed of ship. Stands engine-room watch during specified periods, observing that required water levels are maintained in boilers, condensers, and evaporators, load on generators is within acceptable limits, and oil and grease cups are kept full. Repairs machinery, using hand tools and power tools. Maintains engineering log and bell book (orders for changes in speed and direction of ship).

Education/Experience: High School diploma or GED. Three years or more demonstrated experience supervising the routine operation, preventive maintenance, and repair of shipboard electrical systems. US Coast Guard license as Chief Engineer of inspected motor vessels.

LINE NUMBER 141: ENGINEER I

Job Duties: Performs entry level engineering work requiring the application of standard techniques, procedures and criteria in carrying out a sequence of related engineering tasks. Applies standard practices and techniques to adjust and correlate data, recognize discrepancies in results, and design and develop applications, subsystems, and/or systems. Generally works under regular supervision.

Education/Experience: Associate degree or equivalent. One or more years of related experience. Two years of experience may be substituted for education requirement.

LINE NUMBER 142: ENGINEER II

Job Duties: Performs engineering work requiring the application of standard techniques, procedures and criteria in carrying out a sequence of related engineering tasks. Applies standard practices and techniques to adjust and correlate data, recognize discrepancies in results, and design and develop applications, subsystems, and/or systems. May be required to have specialized knowledge and experience in a specific field such as information systems, radar/sonar, electrical, or other related engineering fields.

Education/Experience: Bachelor's degree in an engineering-related discipline or equivalent. Three or more years of related engineering work experience. Four years of experience may be substituted for education requirement.

LINE NUMBER 143: ENGINEER III

Job Duties: Performs moderately complex engineering work. Independently evaluates and applies standard engineering techniques, procedures, and criteria. Uses judgment in making adaptations and modifications. May be required to have specialized knowledge and experience in a specific field such as information systems, radar/sonar, electrical, or other related engineering field.

Education/Experience: Bachelor's degree in an engineering-related discipline or equivalent. Five or more years of related engineering work experience. Four years of experience may be substituted for education requirement.

LINE NUMBER 144: ENGINEER IV

Job Duties: Performs highly complex engineering work. Independently evaluates and applies standard engineering techniques, procedures, and criteria. Uses judgment in making adaptations and modifications. May be required to have specialized knowledge and experience in a specific field such as information systems, radar/sonar, electrical, or other related engineering field.

Education/Experience: Bachelor's degree in an engineering-related discipline or equivalent. Eight or more years of related engineering work experience. Four years of experience may be substituted for education requirement.

LINE NUMBER 145: ENGINEER V

Job Duties: Applies intensive and diversified knowledge of engineering principles and practices in broad areas of assignments and related fields. Makes decisions on engineering problems and methods and may represent the organization in conferences to solve complex problems and to plan and Coordinate work. May provide functional direction to a group of lesser experienced engineers. May lead or Coordinate complex task/project teams. May be required to have specialized knowledge and experience in a specific field such as information systems, radar/sonar, electrical, or other related engineering field.

Education/Experience: Bachelor's degree in an engineering-related discipline or equivalent. Ten or more years of related engineering work experience. Four years of experience may be substituted for education requirement.

LINE NUMBER 146: FOREIGN TRAVEL SPECIALIST

Job Duties: Manages and administers the foreign travel management system policies and guidelines governing foreign travel for federal departments. Ensures timely processing of all foreign travel requests. Acts as point of contact and technical expert on foreign travel. Reviews travel claims for accuracy and compliance with federal regulations.

Education/Experience: High school diploma or GED required. Three years or more of travel office experience.

LINE NUMBER 147: INFORMATION TECHNOLOGY SPECIALIST- INTERNET

Job Duties: Responsible for implementing Web-based systems for knowledge management, organizational communication, electronic forms and other organizational business processes that can be streamlined through the use of Web technology. Designs and develops organizational Web-sites based on Internet strategies and objectives. Proposes Web-site strategies and creates action plans and applications to carry out strategies and accomplish objectives. Requires detailed familiarity with Web content creation tools. Customizes Web-based interactive features, builds database gateways and implements electronic commerce services. Develops and Coordinates the content of the web site.

Education/Experience: Bachelor's degree in Information Technology or related field. Five years or more experience in Information Technology and two years or more experience developing and maintaining Web sites. Four years experience may be substituted for degree requirement.

LINE NUMBER 148: INSPECTOR

Job Duties: Uses fixed or variable measuring instruments to inspect parts, products and/or processes and ensure conformance with standards. Checks for irregularities and defects. Compares products with parts lists or sample models to ensure completion of assembly. Verifies specified dimensions on products or materials.

Education/Experience: High school diploma or GED required. Three years or more of experience in area of specialization.

LINE NUMBER 149: LOGISTICIAN I

Job Duties: Participates in the preparation of project work plans, monthly reviews, reports, and other activities as required in planning major project activities and preparing contract deliverables. Or, conducts warehousing or fielding tasks under the direction of others. Ability to communicate effectively, both verbally and in writing. Entry level position.

Education/Experience: Associate degree in discipline relevant to logistics. One year of experience with logistics programs may be substituted for each year of education.

LINE NUMBER 150: LOGISTICIAN II

Job Duties: Participates in the preparation of project work plans, monthly reviews, reports, and/or other activities as required in planning major project activities and preparing contract deliverables. Or, conducts warehousing or fielding tasks under the directions of others. Ability to communicate effectively, both verbally and in writing.

Education/Experience: Bachelor's degree or equivalent in business or related field. One or more years of experience in logistics or a military background with knowledge of logistics. Four years of experience may be substituted for education requirement.

LINE NUMBER 151: LOGISTICIAN III

Job Duties: Responsible for logistics activities for site. Participates in the preparation of project work plans, monthly reviews, reports, financial analysis, and/or other activities as required in planning major project activities and preparing contract deliverables. Or, conducts warehousing or fielding tasks under the directions of others. May supervise staff of logisticians and logistics specialists. Provides support of an assigned contract economically and efficiently. Strong project management skills. Ability to use a personal computer to include knowledge of basic word-processing, spreadsheet, and database software.

Education/Experience: Bachelor's degree or equivalent in business or related field. Three or more years of experience in logistics or a military background with knowledge of logistics. One or more years of supervisory experience preferred. Four years of experience may be substituted for education requirement.

LINE NUMBER 152: LOGISTICIAN IV

Job Duties: Oversees the logistics activities for site. Supervises staff of logisticians and logistics specialists. Participates in the preparation of project work plans, monthly reviews, reports, financial analysis, and/or other activities as required in planning major project activities and preparing contract deliverables. Provides support of an assigned contract economically and efficiently. Strong project management skills. Ability to use a personal computer to include knowledge of basic word-processing, spreadsheet, and database software.

Education/Experience: Bachelor's degree or equivalent in business or related field. Five or more years of experience in logistics or a military background with knowledge of logistics. One to three years of supervisory experience. Four years of experience may be substituted for education requirement.

LINE NUMBER 153: LOGISTICS MANAGER I

Job Duties: Oversees the logistics activities for the site. Reviews and analyzes contract requirements and establishes logistic planned tasks to ensure satisfactory realization of the contract requirements. Prepares the preparation and implementation of integrated logistic support plans and logistic element plans.

Education/Experience: Bachelor's degree in logistics, business, management, engineering, or science. Six years or more of task related experience. Three additional years of task related experience may be substituted for education requirements.

LINE NUMBER 154: LOGISTICS MANAGER II

Job Duties: Oversees the logistics activities for the site. Reviews and analyzes contract requirements and establishes logistic planned tasks to ensure satisfactory realization of the contract requirements. Prepares or directs the preparation and implementation of integrated logistic support plans and logistic element plans. Supervises the activities of logistics staff to include distribution of work assignments and reviews work assignments.

Education/Experience: Bachelor's or higher degree in logistics, business, management, engineering, or science. Ten years or more of task related experience. Three additional years of task related experience may be substituted for education requirements.

LINE NUMBER 155: MECHANIC I

Job Duties: Performs basic inspection, repair, and maintenance tasks in accordance with specifications required to prepare military and federal vehicles for issue to units and organizations. Travels to various military and federal installations to perform inspection, repair, and maintenance of vehicles. Prepares reports of actions taken on each vehicle using military and federal technical publications and processing checklists. Installs modification work orders to improve or replace parts.

Education/Experience: High school diploma or GED. Three years or more experience with standard military/federal maintenance and supply procedures.

LINE NUMBER 156: MECHANIC II

Job Duties: Performs advanced inspection, repair, and maintenance tasks in accordance with specifications required to prepare military and federal vehicles for issue to units and organizations. Travels to various military and federal installations to perform inspection, repair, and maintenance of vehicles. Prepares reports of actions taken on each vehicle using military and federal technical publications and processing checklists. Installs modification work orders to improve or replace parts.

Education/Experience: High school diploma or GED. Five years or more experience with standard military/federal maintenance and supply procedures.

LINE NUMBER 157: MULTIMEDIA SPECIALIST

Job Duties: Proficient in 2D animation, 2D imaging and graphic creation, 3D modeling and animation. Knowledgeable in video production, editing, and compression. Familiar with sound technology. Knowledgeable of web-based productions.

Education/Experience: Bachelor's degree in digital media or other related discipline. Two years or more experience in high intensity digital media environment. Four years experience may be substituted for degree.

LINE NUMBER 158: NETWORK ADMINISTRATOR

Job Duties: Designs network solutions to maximize organization's resources. Evaluates hardware/software utilization and configuration, and plans network capacity to ensure network operates at maximum efficiency. Performs cost and performance evaluations of computer/networking technologies, hardware, and software. Makes recommendations on hardware/software purchasing. Installs, configures, and maintains computer/networking hardware and software. Troubleshoots and repairs network problems, and trains users on proper use of network/computer resources. Develops policy and procedures associated with network utilization, including the designation and use of passwords and other network security measures. Requires CNE designation, and knowledge of relevant hardware/software technologies.

Education/Experience: Bachelor's degree in Computer Science, Engineering or related field or equivalent. Five years or more of related experience designing or managing computer networks. Four years experience may be substituted for education requirement.

LINE NUMBER 159: NETWORK TECHNICIAN I

Job Duties: Installs hardware and software on the network. Troubleshoots hardware and software problems, including, applications, hardware, monitors, and interface cards. Troubleshoots and solves end-user software problems. Monitors software for licensing agreements. Downloads files from websites, and performs regular updates on websites. Responsible for periodic system backup. Creates users on network, including ensuring security measures are followed according to policies and procedures. Knowledge of network hardware and software components, including connectivity and interface requirements. Ability to troubleshoot network hardware and software problems.

Education/Experience: High school diploma or equivalent and some advanced technical training in network management. Two years or more general experience in a customer and/or systems environment troubleshooting problems/issues and applying workflow logic in their resolution.

LINE NUMBER 160: NETWORK TECHNICIAN II

Job Duties: Installs all hardware and software on the network. Troubleshoots hardware and software problems, including, but not limited to, applications, hardware, monitors, and interface cards. Troubleshoots and solves end-user software problems. Monitors all software for licensing agreements. Downloads files from bulletin board systems, and performs regular updates on bulletin boards. Responsible for periodic systems backup. Creates users on network, including ensuring all security measures are followed according to company policy and procedures. Ability to troubleshoot network hardware and software problems.

Education/Experience: High school diploma or equivalent and some advanced technical training in network management. Three years or more general experience in a customer and/or systems environment troubleshooting problems/issues and applying workflow logic in their resolution. Two additional years of specialized experience with current network hardware and software components, including connectivity and interface requirements.

LINE NUMBER 161: NETWORK TECHNICIAN III

Job Duties: Installs hardware and software on the network. Troubleshoots hardware and software problems, including, but not limited to, applications, hardware, monitors, and interface cards. Troubleshoots and solves end-user software problems. Monitors software for licensing agreements. Downloads files from websites, and performs regular updates on websites. Responsible for periodic systems backup. Creates users on network, including ensuring security measures are followed according to policies and procedures. Ability to troubleshoot network hardware and software problems.

Education/Experience: High school diploma and some advanced technical training in network management. Five years or more experience troubleshooting, testing, repairing servers and desktop computer problems/issues and applying workflow logic in their resolution. Three additional years of specialized experience with current network hardware and software components, including connectivity and interface requirements. Microsoft Certification in Windows NT 4.x Workstation, Windows Networking Essentials and Windows NT 4.x Server are desirable.

LINE NUMBER 162: NEW EQUIPMENT TRAINING INSTRUCTOR I

Job Duties: Plans, organizes, and conducts technical new equipment training programs for a variety of tactical vehicle operator and maintenance programs. Designs and develops training support materials. Evaluates effectiveness of training. Coordinates schedules, student class loads, and pre-class requirements. Prepares after action reports, student attendance rosters, and student rating rosters. Detailed technical knowledge of specific material.

Education/Experience: High school diploma or GED. Three years or more of related work experience in a training environment.

LINE NUMBER 163: NEW EQUIPMENT TRAINING INSTRUCTOR II

Job Duties: Plans, organizes, and conducts technical new equipment training programs for a variety of tactical vehicle operator and maintenance programs. Designs and develops training support materials. Evaluates effectiveness of training.

Coordinates schedules, student class loads, and pre-class requirements. Prepares after action reports, student attendance rosters, and student rating rosters. Detailed technical knowledge of specific material.

Education/Experience: High school diploma or GED. Five years or more of related work experience in a training environment.

LINE NUMBER 164: OPERATIONS RESEARCH ANALYST I

Job Duties: Develops analytical methods and/or adapts and modifies techniques from other scientific, technical and analytical disciplines to solve complex problems. Researches methods. Develops or assesses problem solving techniques. Provides advice and insight about probable effects and alternative solutions to problems. Reviews technical products. Conducts technical analyses and trade off studies. Uses mathematical, statistical, econometric or other scientific methods and techniques in analyzing problems of management and technical nature. Designs experiments to support evaluation of management and technical alternatives. Has a comprehensive knowledge of all phases of weapon or other system design and life cycle acquisition management. Demonstrated experience in organizing, directing and leading technical efforts in analyzing, specifying, developing, fielding, and sustaining weapon or other system requirements. Supports weapon or other system acquisitions. Conducts independent analysis, validation, verification and accreditation of models and simulations.

Education/Experience: Bachelor's degree in operations research, mathematics, probability, statistics, mathematical logic, engineering or related discipline. Two or more years of specialized operations research experience on weapons or other systems. Four years experience may be substituted for degree.

LINE NUMBER 165: OPERATIONS RESEARCH ANALYST II

Job Duties: Develops analytical methods and/or adapts and modifies techniques from other scientific, technical and analytical disciplines to solve complex problems. Researches methods. Develops or assesses problem solving techniques. Provides advice and insight about probable effects and alternative solutions to problems. Reviews technical products. Conducts technical analyses and trade off studies. Uses mathematical, statistical, econometric or other scientific methods and techniques in analyzing problems of management and technical nature. Designs experiments to support evaluation of management and technical alternatives. Has a comprehensive knowledge of all phases of weapon or other system design and life cycle acquisition management. Demonstrated experience in organizing, directing and leading technical efforts in analyzing, specifying, developing, fielding, and sustaining weapon or other system requirements. Supports weapon or other system acquisitions. Conducts independent analysis, validation, verification and accreditation of models and simulations.

Education/Experience: Bachelor's degree in operations research, mathematics, probability, statistics, mathematical logic, engineering or related discipline. Six years or more of specialized operations research experience on weapons or other systems. Four years experience may be substituted for degree.

LINE NUMBER 166: OPERATIONS RESEARCH ANALYST III

Job Duties: Develops analytical methods and/or adapts and modifies techniques from other scientific, technical and analytical disciplines to solve complex problems. Researches methods. Develops or assesses problem solving techniques. Provides advice and insight about probable effects and alternative solutions to problems. Reviews technical products. Conducts technical analyses and trade off studies. Uses mathematical, statistical, econometric or other scientific methods and techniques in analyzing problems of management and technical nature. Designs experiments to support evaluation of management and technical alternatives. Has a comprehensive knowledge of all phases of weapon or other system design and life cycle acquisition management. Demonstrated experience in organizing, directing and leading technical efforts in analyzing, specifying, developing, fielding, and sustaining weapon or other system requirements. Supports weapon or other system acquisitions. Conducts independent analysis, validation, verification and accreditation of models and simulations.

Education/Experience: Master's degree in operations research, mathematics, probability, statistics, mathematical logic, engineering or related discipline. Eight years or more of specialized operations research experience on weapons or other systems. Four years experience may be substituted for degree requirement.

LINE NUMBER 167: PROGRAM MANAGER

Job Duties: Has the primary responsibility for all aspects of program performance (i.e., technical, contractual, administrative, and financial). Manages and supervises personnel involved in all aspects of program activity. Organizes and assigns responsibilities to subordinates and oversees the successful completion of all assigned tasks. Strong analytical abilities and

project management skills. Ability to work independently and make appropriate decisions as necessary. Ability to communicate effectively both verbally and in writing. Ability to use a personal computer and basic word processing, spreadsheet and database software.

Education/Experience: Bachelor's degree or equivalent. Twelve or more years of progressively responsible work experience in a technical area with some experience in a contracting environment. Three or more years of supervisory experience to include effective management skills preferred. Four years of experience may be substituted for education requirement.

LINE NUMBER 168: PROGRAMMER I

Job Duties: Designs, codes, tests, and documents operational, simulation, or support software routines and programs in accordance with existing requirements. Knowledge of basic word-processing, spreadsheet, graphics, and/or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Knowledge of basic mathematics and grammar.

Education/Experience: Bachelor's degree in Computer Science or equivalent. One or more years experience in programming. Four years of experience may be substituted for education requirement.

LINE NUMBER 169: PROGRAMMER II

Job Duties: Designs, codes, tests, and documents operational, simulation, or support software routines and programs in accordance with existing requirements. Knowledge of basic word-processing, spreadsheet, graphics, and/or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Knowledge of basic mathematics and grammar.

Education/Experience: Bachelor's degree in Computer Science or equivalent. Four years or more experience in programming. Four years of experience may be substituted for education requirement.

LINE NUMBER 170: PROGRAMMER III

Job Duties: Designs, codes, tests, and documents complex operational, simulation, or support software routines and programs in accordance with existing requirements. Knowledge of basic word-processing, spreadsheet, graphics, and/or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Knowledge of basic mathematics and grammar.

Education/Experience: Bachelor's degree in Computer Science or equivalent. Seven years or more experience in programming. Four years of experience may be substituted for education requirement.

LINE NUMBER 171: PROGRAMMER IV

Job Duties: Designs, codes, tests, and documents complex operational, simulation, or support software routines and programs in accordance with existing requirements. Knowledge of basic word-processing, spreadsheet, graphics, and/or database software. Ability to use general office equipment such as computer, copy machine, fax machine, and so forth. Knowledge of basic mathematics and grammar.

Education/Experience: Bachelor's degree in Computer Science or equivalent. Ten years or more experience in programming. Four years of experience may be substituted for education requirement. Advanced degree may be substituted for four years experience.

LINE NUMBER 172: PROJECT MANAGER

Job Duties: Oversees large, complex delivery orders and assists the program manager in working with the government management personnel and customer agency representatives. Responsible for the overall management of the specific delivery orders and insures that the technical solutions and schedules in the delivery order are implemented in a timely manner.

Education/Experience: Bachelor's degree required. Four years of experience may be substituted for education requirement. Eight years or more related experience, three of which shall be within the last five years in project development from

inception to deployment, management and control of funds and resources, and demonstrated ability in managing multiple contracts and subcontracts.

LINE NUMBER 173: QUALITY ASSURANCE COORDINATOR

Job Duties: Develops, implements, maintains, and coordinates the quality management system to prevent and/or eliminate defects in services and products. Establishes and maintains a process for evaluating products. Determines the resources required for quality control. Maintains the level of quality through the product life cycle. Conducts formal and informal reviews at pre-determined points throughout the life cycle.

Education/Experience: Bachelor's degree required. Four years or more related experience. Four years of experience may be substituted for education requirement.

LINE NUMBER 174: QUALITY ASSURANCE INSPECTOR

Job Duties: Inspects products to ensure that quality assurance standards are met and that work conforms to specifications. Conducts and/or participates in formal and informal reviews at pre-determined points in the life cycle.

Education/Experience: High School diploma or GED. Four years or more related experience.

LINE NUMBER 175: QUALITY ASSURANCE MANAGER

Job Duties: Supervises and Coordinates activities of workers engaged in inspecting and testing products, applying knowledge of quality assurance standards and procedures. Reviews quality assurance instructions, specifications, and schedules to determine method of conducting inspections and tests, sequence of operations, and work assignments. Directs workers in quality assurance inspection and testing, to assure that establishment and regulatory standards are met. Assigns training of new workers to qualified workers. Reviews reports and confers with personnel to solve work-related problems.

Education/Experience: High School diploma or GED. Eight years or more experience.

LINE NUMBER 176: SPECIAL CONSULTANT

Job Duties: Recognized as a high level authority or expert on one or more specialized business/technical subject areas. Serves as internal consultant, providing guidance on the most complex projects. Generally spends a great deal of time in an advisory capacity regarding problems of a complex nature.

Education/Experience: Bachelor's degree in related subject matter. Fifteen years or more of experience in related field. Four years of experience may be substituted for education requirement.

LINE NUMBER 177: SUBJECT MATTER EXPERT I

Job Duties: Develops requirements from a project's inception to conclusion in the subject matter area. Assists other consultants with analysis, evaluation and preparation of recommendations for improvements, optimization, development, and/or maintenance efforts in various specialties.

Education/Experience: Bachelor's degree in related subject matter. Eight years or more of experience in related field. Four years of experience may be substituted for education requirement.

LINE NUMBER 178: SUBJECT MATTER EXPERT II

Job Duties: Generally recognized as expert in the field within the professional community. Provides technical, managerial, and administrative direction for problem definition, analysis, requirements development and implementation in the subject matter area. Defines the problems and analyzes and develops plans and requirements in the subject matter area. Coordinates and manages the preparation of analysis, evaluations, and recommendations for proper implementation in various specialties.

Education/Experience: Bachelor's degree in related subject matter. Twelve years or more of experience in related field. Four years of experience may be substituted for education requirement.

LINE NUMBER 179: SUBJECT MATTER EXPERT III

Job Duties: Possesses requisite knowledge and expertise so as to be recognized as expert in the field within the professional community. Provides technical, managerial and administrative direction for problem definition, analysis, requirements development and implementation for subject matter area. Makes recommendations and advises on organization-wide improvements, optimization or maintenance efforts, in various specialties.

Education/Experience: Bachelor's degree in related subject matter. Fifteen years or more of experience in related field. Four years of experience may be substituted for education requirement.

LINE NUMBER 180: SUPPLY INVENTORY ANALYST

Job Duties: Receives, inspects, stores, issues, and inventories materials. Removes material from storage and prepares for shipment. Performs data entry of shipping and/or receipt information into database. May perform general warehouse, inventory management, stock control, property record keeping, and other supply-related functions.

Education/Experience: High school diploma or GED. Three years experience and familiarity with the federal supply system.

LINE NUMBER 181: SYSTEMS ANALYST I

Job Duties: Translates simple operational requirements into a specific hardware and software design and/or process resolution. Plans and executes project systems involving operational, simulation, test or support requirements with real-time applications. Develops documentation associated with computer software and analyzes software data acquired during system testing. May be required to have specialized knowledge or experience in advanced or state-of-the-art programming languages, and systems analysis techniques of a sophisticated nature.

Education/Experience: Bachelor's degree in Computer Science, Engineering or related field. One or more years of directly related experience in systems analysis. Four years of experience may be substituted for education requirement.

LINE NUMBER 182: SYSTEMS ANALYST II

Job Duties: Translates operational requirements into a specific hardware and software design and/or process resolution. Plans and executes project systems involving operational, simulation, test or support requirements with real-time applications. Develops documentation associated with computer software and analyzes software data acquired during system testing. May be required to have specialized knowledge or experience in advanced or state-of-the-art programming languages, and systems analysis techniques of a sophisticated nature.

Education/Experience: Bachelor's degree or equivalent in Computer Science, Engineering or related field. Three or more years of directly related experience in systems analysis. Four years of experience may be substituted for education requirement.

LINE NUMBER 183: SYSTEMS ANALYST III

Job Duties: Translates operational requirements into a specific hardware and software design and/or process resolution. Plans and executes project systems involving operational, simulation, test or support requirements with real-time applications. Develops documentation associated with computer software and analyzes software data acquired during system testing. May be required to have specialized knowledge or experience in advanced or state-of-the-art programming languages, and systems analysis techniques of a sophisticated nature.

Education/Experience: Bachelor's degree in Computer Science, Engineering or related field. Five or more years of directly related experience in systems analysis. Four years of experience may be substituted for education requirement.

LINE NUMBER 184: SYSTEMS ANALYST IV

Job Duties: Translates complex operational requirements into a specific hardware and software design and/or process resolution. Plans and executes project systems involving operational, simulation, test or support requirements with real-time applications. Develops documentation associated with computer software and analyzes software data acquired during system testing. May be required to have specialized knowledge or experience in advanced or state-of-the art programming languages, and systems analysis techniques of a sophisticated nature.

Education/Experience: Bachelor's degree in Computer Science, Engineering or related field. Eight or more years of directly related experience in systems analysis. Four years of experience may be substituted for education requirement.

LINE NUMBER 185: SYSTEMS ANALYST V

Job Duties: Translates highly complex operational requirements into a specific hardware and software design and/or process resolution. Plans and executes project systems involving operational, simulation, test or support requirements with real-time applications. Develops documentation associated with computer software and analyzes software data acquired during system testing. May be required to have specialized knowledge or experience in advanced or state-of-the art programming languages, and systems analysis techniques of a sophisticated nature.

Education/Experience: Bachelor's degree in Computer Science, Engineering or related field. Ten or more years of directly related experience in systems analysis. Four years of experience may be substituted for education requirement.

LINE NUMBER 186: TASK AREA LEAD – DOCUMENTATION

Job Duties: Oversees the editing of technical documents. Supervises staff of technical editors, data collectors, and documentation specialists. Acts as project manager and ensures projects are completed in a timely manner. Strong project management skills. Knowledge of basic word-processing, spreadsheet, graphics, and/or database software (e.g., WordPerfect, Word, Lotus 1-2-3, Excel, Harvard Graphics, PowerPoint, dBase and Access). Ability to use general office equipment such as computer, copy machine, fax machine. Strong writing skills with knowledge of basic grammar and editing marks. Senior level analyzing, problem-solving and writing skills.

Education/Experience: Associate degree in English or related discipline. Three years of technical documentation processing experience. Two years of experience may be substituted for education requirement.

LINE NUMBER 187: TASK AREA LEAD – ENGINEERING

Job Duties: Plans, organizes, and directs the implementation and execution of assigned project. Monitors project tasks to ensure compliance with contractual directives. Coordinates work efforts with client representatives as well as support and technical personnel to fulfill contract requirements. Serves as technical lead on program/project. Receives technical freedom to accomplish work objectives within contract requirements, and is monitored on end results. Must be able to successfully interface with government officials, client technical representatives, and contractor representatives. May be required to have specialized knowledge in a specific field such as information systems, radar/sonar, instrumentation, power generation and distribution, or other related engineering fields.

Education/Experience: Bachelor's degree or equivalent in a relevant engineering discipline. Ten years or more years of progressive, related experience in engineering field. Experience must include project management, supervisory management, and financial management. Four years of experience may be substituted for education requirement. Advanced degree may be required for certain engineering functions.

LINE NUMBER 188: TASK AREA LEAD – TECHNICAL

Job Duties: Plans, organizes, and directs the implementation and execution of assigned project. Monitors project tasks to ensure compliance with contractual directives. Coordinates work efforts with client representatives as well as support and technical personnel to fulfill requirements. Serves as technical lead on program/project. Receives technical freedom to accomplish work objectives within contract requirements, and is monitored on end results. May be required to have

specialized knowledge in a specific field such as information systems, radar/sonar, instrumentation, power generation and distribution, or other related engineering fields.

Education/Experience: Associate degree in a relevant engineering discipline. Four or more years of progressive, related experience in engineering field. Two years experience may be substituted for degree.

LINE NUMBER 189: TECHNICAL DIRECTOR

Job Duties: Provides leadership and guidance to the Program Managers on operational issues. Ensures that quality services and products are delivered to customers. Provides technical leadership and resolves customer issues.

Education/Experience: Bachelor's degree. Ten years or more of experience in management. Four years experience may be substituted for degree.

LINE NUMBER 190: TECHNICAL LIBRARIAN

Job Duties: Under general supervision, maintains daily operation of technical library. Maintains referencing systems and databases. Implements library policies and procedures to include cataloging, classification, and circulation of documents. Knowledge of basic word-processing, spreadsheet, graphics, and/or database software (e.g., WordPerfect, Word, Lotus 1-2-3, Excel, Harvard Graphics, PowerPoint, dBase and Access). Ability to use general office equipment such as computer, copy machine, fax machine, and so forth.

Education/Experience: High school diploma or GED. Two to three years general office experience.

LINE NUMBER 191: TECHNICAL WRITER I

Job Duties: Writes technical reports, brochures, and/or manuals for internal documentation, customer reference or publications. Analyzes technical literature available, writes descriptive copy, and verifies documentation with related departments. May coordinate the production and distribution of material. Some evaluation, originality or ingenuity is required.

Education/Experience: Bachelor's degree in related discipline. Two to five years professional experience. Four years experience may be substituted for degree. Master's Degree may be substituted for experience requirement.

LINE NUMBER 192: TECHNICAL WRITER II

Job Duties: Writes technical reports, brochures, and/or manuals for internal documentation, customer reference or publications. Analyzes technical literature available, writes descriptive copy, and verifies documentation with related departments. May coordinate the production and distribution of material. Assignments may be broad in nature, requiring originality and ingenuity. Has appreciable latitude for un-reviewed action or decision.

Education/Experience: Bachelor's degree in related discipline. Five to eight years professional experience. Four years experience may be substituted for degree. Master's Degree may be substituted for two years experience.

LINE NUMBER 193: TECHNICAL WRITER III

Job Duties: Writes technical reports, brochures, and/or manuals for internal documentation, customer reference or publications. Analyzes technical literature available, writes descriptive copy, and verifies documentation with related departments. May coordinate the production and distribution of material. Operates with substantial latitude for unreviewed action or decision.

Education/Experience: Bachelor's degree in related discipline. More than 8 years professional experience. Four years experience may be substituted for degree. Master's Degree may be substituted for two years experience.

LINE NUMBER 194: TRACK VEHICLE MECHANIC

Job Duties: Repairs, rebuilds, or overhauls major assemblies of track vehicles. Diagnoses the source of trouble and determines the extent of repairs required. Replaces worn or broken parts such as piston rings, bearings, or other engine

parts. Grinds and adjusts valves. Rebuilds carburetors. Overhauls transmissions. Repairs fuel injection, lighting, and ignition systems.

Education/Experience: High school diploma or GED. Requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience. Two years or more experience.

PRICE LIST

GSA CLIN	SCA CODE	GSA LOGWORLD LABOR CATEGORIES	YEARS 11 THROUGH 15									
			9/21/2010-9/20/2011		9/21/2011-9/20/2012		9/21/2012-9/20/2013		9/21/2013-9/20/2014		9/21/2014-9/20/2015	
			Year 11		Year 12		Year 13		Year 14		Year 15	
			Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate
1	1311	Secretary I	\$40.71	\$34.30	\$41.93	\$35.33	\$43.18	\$36.39	\$44.48	\$37.48	\$45.81	\$38.60
2	1312	Secretary II	\$43.27	\$36.46	\$44.57	\$37.56	\$45.91	\$38.68	\$47.28	\$39.84	\$48.70	\$41.04
3	1313	Secretary III	\$46.59	\$39.26	\$47.98	\$40.44	\$49.42	\$41.65	\$50.91	\$42.90	\$52.43	\$44.19
4	1314	Secretary IV	\$51.65	\$43.53	\$53.20	\$44.83	\$54.80	\$46.18	\$56.44	\$47.56	\$58.14	\$48.99
5	1315	Secretary V	\$62.39	\$52.58	\$64.26	\$54.16	\$66.19	\$55.78	\$68.17	\$57.46	\$70.22	\$59.18
6	1131	Key Entry Operator I	\$28.90	\$24.36	\$29.77	\$25.09	\$30.66	\$25.84	\$31.58	\$26.62	\$32.53	\$27.42
7	1132	Key Entry Operator II	\$36.84	\$31.04	\$37.95	\$31.98	\$39.09	\$32.93	\$40.26	\$33.92	\$41.47	\$34.94
8	1191	Order Clerk I	\$33.52	\$28.25	\$34.52	\$29.10	\$35.56	\$29.97	\$36.62	\$30.87	\$37.72	\$31.80
9	1192	Order Clerk II	\$46.13	\$38.87	\$47.52	\$40.04	\$48.94	\$41.24	\$50.41	\$42.48	\$51.92	\$43.75
10	1300	Scheduler, Maintenance	\$40.71	\$34.30	\$41.93	\$35.33	\$43.18	\$36.39	\$44.48	\$37.48	\$45.81	\$38.60
11	1400	Supply Technician	\$51.65	\$43.53	\$53.20	\$44.83	\$54.80	\$46.18	\$56.44	\$47.56	\$58.14	\$48.99
12	3041	Computer Operator I	\$40.74	\$34.32	\$41.96	\$35.35	\$43.22	\$36.41	\$44.51	\$37.50	\$45.85	\$38.63
13	3043	Computer Operator III	\$46.62	\$39.28	\$48.02	\$40.46	\$49.46	\$41.68	\$50.94	\$42.93	\$52.47	\$44.21
14	3045	Computer Operator V	\$56.54	\$47.65	\$58.23	\$49.08	\$59.98	\$50.55	\$61.78	\$52.07	\$63.63	\$53.63
15	3071	Computer Programmer I	\$44.17	\$37.22	\$45.49	\$38.34	\$46.86	\$39.49	\$48.26	\$40.68	\$49.71	\$41.90
16	3072	Computer Programmer II	\$54.70	\$46.10	\$56.34	\$47.49	\$58.03	\$48.91	\$59.78	\$50.38	\$61.57	\$51.89
17	3073	Computer Programmer III	\$66.81	\$56.29	\$68.81	\$57.98	\$70.87	\$59.72	\$73.00	\$61.51	\$75.19	\$63.35
18	3074	Computer Programmer IV	\$80.83	\$68.11	\$83.26	\$70.16	\$85.76	\$72.26	\$88.33	\$74.43	\$90.98	\$76.66
19	5040	Automotive Worker	\$57.80	\$48.71	\$59.54	\$50.17	\$61.32	\$51.68	\$63.16	\$53.23	\$65.06	\$54.82
20	5070	Automotive Electrician	\$60.49	\$50.97	\$62.31	\$52.50	\$64.18	\$54.08	\$66.10	\$55.70	\$68.08	\$57.37
21	5100	Mobile Equipment Servicer	\$52.61	\$44.34	\$54.19	\$45.67	\$55.82	\$47.04	\$57.49	\$48.45	\$59.22	\$49.91
22	5130	Motor Equipment Metal Mechanic	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
23	5160	Motor Equipment Metal Worker	\$57.80	\$48.71	\$59.54	\$50.17	\$61.32	\$51.68	\$63.16	\$53.23	\$65.06	\$54.82
24	5190	Motor Vehicle Mechanic	\$62.64	\$52.78	\$64.52	\$54.36	\$66.46	\$55.99	\$68.45	\$57.67	\$70.51	\$59.40
25	5280	Motor Vehicle Wrecker	\$57.80	\$48.71	\$59.54	\$50.17	\$61.32	\$51.68	\$63.16	\$53.23	\$65.06	\$54.82
26	5310	Painter, Automotive	\$60.49	\$50.97	\$62.31	\$52.50	\$64.18	\$54.08	\$66.10	\$55.70	\$68.08	\$57.37
27	5340	Radiator Repair Specialist	\$57.80	\$48.71	\$59.54	\$50.17	\$61.32	\$51.68	\$63.16	\$53.23	\$65.06	\$54.82
28	5370	Tire Repairer	\$52.61	\$44.34	\$54.19	\$45.67	\$55.82	\$47.04	\$57.49	\$48.45	\$59.22	\$49.91
29	5400	Transmission Repair Specialist	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
30	13002	Audiovisual Librarian	\$51.65	\$43.53	\$53.20	\$44.83	\$54.80	\$46.18	\$56.44	\$47.56	\$58.14	\$48.99
31	13011	Exhibits Specialist I	\$54.10	\$45.59	\$55.72	\$46.96	\$57.39	\$48.36	\$59.11	\$49.82	\$60.89	\$51.31
32	13012	Exhibits Specialist II	\$63.63	\$53.62	\$65.54	\$55.23	\$67.51	\$56.89	\$69.53	\$58.59	\$71.62	\$60.35
33	13013	Exhibits Specialist III	\$76.69	\$64.63	\$78.99	\$66.57	\$81.36	\$68.57	\$83.81	\$70.63	\$86.32	\$72.74
34	13041	Illustrator I	\$54.10	\$45.59	\$55.72	\$46.96	\$57.39	\$48.36	\$59.11	\$49.82	\$60.89	\$51.31
35	13042	Illustrator II	\$63.63	\$53.62	\$65.54	\$55.23	\$67.51	\$56.89	\$69.53	\$58.59	\$71.62	\$60.35
36	13043	Illustrator III	\$76.69	\$64.63	\$78.99	\$66.57	\$81.36	\$68.57	\$83.81	\$70.63	\$86.32	\$72.74
37	13047	Librarian	\$62.39	\$52.58	\$64.26	\$54.16	\$66.19	\$55.78	\$68.17	\$57.46	\$70.22	\$59.18
38	13050	Library Technician	\$43.27	\$36.46	\$44.57	\$37.56	\$45.91	\$38.68	\$47.28	\$39.84	\$48.70	\$41.04
39	19010	Machine-tool Operator	\$60.49	\$50.97	\$62.31	\$52.50	\$64.18	\$54.08	\$66.10	\$55.70	\$68.08	\$57.37
40	19040	Tool and Die Maker	\$71.20	\$60.01	\$73.34	\$61.81	\$75.54	\$63.66	\$77.81	\$65.57	\$80.14	\$67.54
41	21010	Fuel Dist Sys Oper/ Mat Coord	\$52.61	\$44.34	\$54.19	\$45.67	\$55.82	\$47.04	\$57.49	\$48.45	\$59.22	\$49.91
42	21020	Material Coordinator	\$51.78	\$43.63	\$53.33	\$44.94	\$54.93	\$46.29	\$56.58	\$47.68	\$58.28	\$49.11
43	21030	Material Expediter	\$51.78	\$43.63	\$53.33	\$44.94	\$54.93	\$46.29	\$56.58	\$47.68	\$58.28	\$49.11
44	21040	Material Handling Laborer	\$37.41	\$31.53	\$38.53	\$32.47	\$39.69	\$33.45	\$40.88	\$34.45	\$42.10	\$35.49
45	21050	Order Filler	\$42.51	\$35.82	\$43.78	\$36.90	\$45.10	\$38.01	\$46.45	\$39.15	\$47.84	\$40.32

GSA CLIN	SCA CODE	GSA LOGWORLD LABOR CATEGORIES	YEARS 11 THROUGH 15									
			9/21/2010-9/20/2011		9/21/2011-9/20/2012		9/21/2012-9/20/2013		9/21/2013-9/20/2014		9/21/2014-9/20/2015	
			Year 11		Year 12		Year 13		Year 14		Year 15	
			Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate
46	21071	Forklift Operator	\$48.06	\$40.50	\$49.50	\$41.71	\$50.99	\$42.97	\$52.52	\$44.26	\$54.09	\$45.58
47	21100	Shipping/Receiving Clerk	\$38.83	\$32.72	\$40.00	\$33.70	\$41.20	\$34.72	\$42.43	\$35.76	\$43.70	\$36.83
48	21130	Shipping Packer	\$38.83	\$32.72	\$40.00	\$33.70	\$41.20	\$34.72	\$42.43	\$35.76	\$43.70	\$36.83
49	21140	Store Worker I	\$33.28	\$28.04	\$34.28	\$28.88	\$35.31	\$29.74	\$36.37	\$30.64	\$37.46	\$31.56
50	21150	Stock Clerk	\$43.20	\$36.41	\$44.49	\$37.50	\$45.83	\$38.63	\$47.20	\$39.79	\$48.62	\$40.98
51	21210	Tools and Parts Attendant	\$46.32	\$39.03	\$47.71	\$40.20	\$49.14	\$41.40	\$50.61	\$42.65	\$52.13	\$43.92
52	21400	Warehouse Specialist	\$46.32	\$39.03	\$47.71	\$40.20	\$49.14	\$41.40	\$50.61	\$42.65	\$52.13	\$43.92
53	23160	Electronics Tech, Maintenance	\$74.10	\$62.44	\$76.32	\$64.31	\$78.61	\$66.24	\$80.97	\$68.23	\$83.40	\$70.28
54	23181	Electronics Tech, Maintenance I	\$56.03	\$47.22	\$57.71	\$48.63	\$59.44	\$50.09	\$61.23	\$51.59	\$63.06	\$53.14
55	23182	Electronics Tech, Maintenance II	\$68.13	\$57.41	\$70.18	\$59.13	\$72.28	\$60.91	\$74.45	\$62.74	\$76.69	\$64.62
56	23183	Electronics Tech, Maintenance III	\$73.43	\$61.88	\$75.63	\$63.74	\$77.90	\$65.65	\$80.24	\$67.62	\$82.64	\$69.65
57	23340	Fuel Distribution System Mech.	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
58	23370	General Maintenance Worker	\$56.03	\$47.22	\$57.71	\$48.63	\$59.44	\$50.09	\$61.23	\$51.59	\$63.06	\$53.14
59	23400	HVAC Mechanic	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
60	23430	Heavy Equipment Mechanic	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
61	23440	Heavy Equipment Operator	\$67.91	\$57.24	\$69.95	\$58.95	\$72.04	\$60.72	\$74.20	\$62.54	\$76.43	\$64.42
62	23460	Instrument Mechanic	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
63	23470	Laborer	\$37.41	\$31.53	\$38.53	\$32.47	\$39.69	\$33.45	\$40.88	\$34.45	\$42.10	\$35.49
64	23530	Machinery Maintenance Mechanic	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
65	23550	Machinist, Maintenance	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
66	23580	Maintenance Trades Helper	\$49.39	\$41.62	\$50.87	\$42.87	\$52.40	\$44.16	\$53.97	\$45.48	\$55.59	\$46.85
67	23640	Millwright	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
68	23760	Painter, Maintenance	\$60.49	\$50.97	\$62.31	\$52.50	\$64.18	\$54.08	\$66.10	\$55.70	\$68.08	\$57.37
69	23820	Pneudraulic Systems Mechanic	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
70	23850	Rigger	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
71	23870	Scale Mechanic	\$57.80	\$48.71	\$59.54	\$50.17	\$61.32	\$51.68	\$63.16	\$53.23	\$65.06	\$54.82
72	23890	Sheet-metal Worker, Maintenance	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
73	23910	Small Engine Mechanic	\$57.80	\$48.71	\$59.54	\$50.17	\$61.32	\$51.68	\$63.16	\$53.23	\$65.06	\$54.82
74	23960	Welder, Combination, Maintenance	\$63.18	\$53.24	\$65.08	\$54.84	\$67.03	\$56.48	\$69.04	\$58.18	\$71.11	\$59.92
75	28010	Blocker and Bracer	\$54.19	\$45.66	\$55.81	\$47.03	\$57.49	\$48.44	\$59.21	\$49.89	\$60.99	\$51.39
76	28020	Hatch Tender	\$54.19	\$45.66	\$55.81	\$47.03	\$57.49	\$48.44	\$59.21	\$49.89	\$60.99	\$51.39
77	28030	Line Handler	\$54.19	\$45.66	\$55.81	\$47.03	\$57.49	\$48.44	\$59.21	\$49.89	\$60.99	\$51.39
78	28040	Stevedore I	\$51.78	\$43.63	\$53.33	\$44.94	\$54.93	\$46.29	\$56.58	\$47.68	\$58.28	\$49.11
79	28050	Stevedore II	\$56.72	\$47.80	\$58.42	\$49.24	\$60.18	\$50.71	\$61.98	\$52.23	\$63.84	\$53.80
80	29040	Civil Engineering Technician	\$63.63	\$53.62	\$65.54	\$55.23	\$67.51	\$56.89	\$69.53	\$58.59	\$71.62	\$60.35
81	29035	CBT Spec/Instructor	\$64.12	\$54.02	\$66.04	\$55.64	\$68.02	\$57.31	\$70.06	\$59.03	\$72.16	\$60.80
82	29061	Drafter I	\$43.05	\$36.28	\$44.35	\$37.36	\$45.68	\$38.49	\$47.05	\$39.64	\$48.46	\$40.83
83	29062	Drafter II	\$48.36	\$40.76	\$49.81	\$41.98	\$51.30	\$43.24	\$52.84	\$44.54	\$54.43	\$45.87
84	29063	Drafter III	\$54.10	\$45.59	\$55.72	\$46.96	\$57.39	\$48.36	\$59.11	\$49.82	\$60.89	\$51.31
85	29064	Drafter IV	\$63.63	\$53.62	\$65.54	\$55.23	\$67.51	\$56.89	\$69.53	\$58.59	\$71.62	\$60.35
86	29081	Engineering Technician I	\$41.40	\$34.88	\$42.64	\$35.92	\$43.92	\$37.00	\$45.23	\$38.11	\$46.59	\$39.25
87	29082	Engineering Technician II	\$46.46	\$39.16	\$47.86	\$40.34	\$49.29	\$41.55	\$50.77	\$42.79	\$52.29	\$44.08
88	29083	Engineering Technician III	\$51.98	\$43.81	\$53.54	\$45.12	\$55.15	\$46.47	\$56.80	\$47.87	\$58.51	\$49.30
89	29084	Engineering Technician IV	\$62.01	\$52.25	\$63.87	\$53.82	\$65.78	\$55.43	\$67.76	\$57.10	\$69.79	\$58.81
90	29085	Engineering Technician V	\$71.00	\$59.83	\$73.13	\$61.63	\$75.32	\$63.48	\$77.58	\$65.38	\$79.91	\$67.34
91	29086	Engineering Technician VI	\$85.90	\$72.39	\$88.48	\$74.56	\$91.13	\$76.80	\$93.87	\$79.10	\$96.68	\$81.47
92	29100	Flight Simulator/Instructor (Pilot)	\$77.57	\$65.37	\$79.90	\$67.34	\$82.29	\$69.36	\$84.76	\$71.44	\$87.30	\$73.58
93	29150	Graphic Artist	\$64.12	\$54.02	\$66.04	\$55.64	\$68.02	\$57.31	\$70.06	\$59.03	\$72.16	\$60.80

GSA CLIN	SCA CODE	GSA LOGWORLD LABOR CATEGORIES	YEARS 11 THROUGH 15									
			9/21/2010-9/20/2011		9/21/2011-9/20/2012		9/21/2012-9/20/2013		9/21/2013-9/20/2014		9/21/2014-9/20/2015	
			Year 11		Year 12		Year 13		Year 14		Year 15	
			Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate
94	29160	Instructor	\$51.14	\$43.10	\$52.67	\$44.39	\$54.25	\$45.72	\$55.88	\$47.09	\$57.56	\$48.50
95	29480	Technical Writer	\$74.82	\$63.06	\$77.06	\$64.95	\$79.38	\$66.90	\$81.76	\$68.90	\$84.21	\$70.97
96	31361	Truckdriver, Light Truck	\$45.79	\$38.59	\$47.17	\$39.75	\$48.58	\$40.94	\$50.04	\$42.17	\$51.54	\$43.44
97	31362	Truckdriver, Medium Truck	\$52.90	\$44.57	\$54.49	\$45.91	\$56.12	\$47.28	\$57.81	\$48.70	\$59.54	\$50.16
98	31363	Truckdriver, Heavy Truck	\$62.15	\$52.38	\$64.01	\$53.95	\$65.94	\$55.57	\$67.91	\$57.23	\$69.95	\$58.95
99	36364	Truckdriver, Tractor-Trailer	\$62.15	\$52.38	\$64.01	\$53.95	\$65.94	\$55.57	\$67.91	\$57.23	\$69.95	\$58.95
100		Category Deleted										
101		Category Deleted										
102		Category Deleted										
103		Category Deleted										
104		Category Deleted										
105		Category Deleted										
106		Category Deleted										
107		Category Deleted										
108		Category Deleted										
109		Category Deleted										
110		Category Deleted										
111		Category Deleted										
112	47220	Plumber-Machinist	\$77.32	\$65.16	\$79.64	\$67.11	\$82.03	\$69.13	\$84.49	\$71.20	\$87.03	\$73.34
113		Category Deleted										
114		Category Deleted										
115		Category Deleted										
116		Category Deleted										
117		Category Deleted										
118		Armaments Technician	\$51.10	\$51.10	\$52.63	\$52.63	\$54.21	\$54.21	\$55.84	\$55.84	\$57.51	\$57.51
119		Auto CAD Technician	\$51.56	\$43.46	\$53.11	\$44.76	\$54.70	\$46.10	\$56.34	\$47.49	\$58.03	\$48.91
120		Calibrations Standards Specialist	\$75.49	\$63.61	\$77.75	\$65.52	\$80.09	\$67.49	\$82.49	\$69.51	\$84.96	\$71.60
121		Chief Engineer (Maritime)	\$75.49	\$63.61	\$77.75	\$65.52	\$80.09	\$67.49	\$82.49	\$69.51	\$84.96	\$71.60
122		Configuration Specialist I	\$78.67	\$66.30	\$81.03	\$68.29	\$83.46	\$70.34	\$85.97	\$72.45	\$88.55	\$74.62
123		Configuration Specialist II	\$107.36	\$90.48	\$110.58	\$93.19	\$113.89	\$95.99	\$117.31	\$98.86	\$120.83	\$101.83
124		Configuration Specialist III	\$134.42	\$113.27	\$138.45	\$116.67	\$142.60	\$120.17	\$146.88	\$123.77	\$151.29	\$127.49
125		CALS Spec I	\$106.34	\$89.61	\$109.53	\$92.30	\$112.81	\$95.07	\$116.20	\$97.92	\$119.68	\$100.86
126		CALS Spec II	\$123.28	\$103.89	\$126.98	\$107.00	\$130.79	\$110.21	\$134.71	\$113.52	\$138.75	\$116.92
127		Course Developer	\$78.63	\$66.26	\$80.99	\$68.25	\$83.42	\$70.30	\$85.92	\$72.40	\$88.50	\$74.58
128		Craftmaster	\$75.49	\$63.61	\$77.75	\$65.52	\$80.09	\$67.49	\$82.49	\$69.51	\$84.96	\$71.60
129		Craftmaster-Site Manager	\$91.35	\$76.97	\$94.09	\$79.28	\$96.91	\$81.66	\$99.82	\$84.11	\$102.82	\$86.63
130		Data Collector	\$42.61	\$35.91	\$43.89	\$36.98	\$45.21	\$38.09	\$46.56	\$39.24	\$47.96	\$40.41
131		Data Security Analyst	\$75.49	\$63.61	\$77.75	\$65.52	\$80.09	\$67.49	\$82.49	\$69.51	\$84.96	\$71.60
132		Database Mgmt. Specialist I	\$59.08	\$49.78	\$60.85	\$51.27	\$62.68	\$52.81	\$64.56	\$54.40	\$66.50	\$56.03
133		Database Mgmt. Specialist II	\$101.66	\$85.67	\$104.71	\$88.24	\$107.85	\$90.88	\$111.09	\$93.61	\$114.42	\$96.42
134		Database Mgmt. Specialist III	\$156.67	\$132.03	\$161.37	\$135.99	\$166.21	\$140.07	\$171.20	\$144.27	\$176.34	\$148.60
135		Deputy Program Manager	\$100.48	\$84.68	\$103.49	\$87.22	\$106.60	\$89.83	\$109.79	\$92.53	\$113.09	\$95.30
136		Documentation Specialist I	\$36.97	\$31.16	\$38.08	\$32.09	\$39.22	\$33.05	\$40.39	\$34.05	\$41.61	\$35.07
137		Documentation Specialist II	\$45.85	\$38.64	\$47.22	\$39.79	\$48.64	\$40.99	\$50.10	\$42.22	\$51.60	\$43.48
138		Documentation Specialist III	\$51.56	\$43.46	\$53.11	\$44.76	\$54.70	\$46.10	\$56.34	\$47.49	\$58.03	\$48.91
139		Documentation Specialist IV	\$56.71	\$47.79	\$58.41	\$49.23	\$60.17	\$50.70	\$61.97	\$52.22	\$63.83	\$53.79
140		Engineer (Maritime)	\$68.63	\$57.82	\$70.69	\$59.56	\$72.81	\$61.35	\$74.99	\$63.19	\$77.24	\$65.08
141		Engineer I	\$68.62	\$57.82	\$70.68	\$59.56	\$72.80	\$61.35	\$74.98	\$63.19	\$77.23	\$65.08

GSA CLIN	SCA CODE	GSA LOGWORLD LABOR CATEGORIES	YEARS 11 THROUGH 15									
			9/21/2010-9/20/2011		9/21/2011-9/20/2012		9/21/2012-9/20/2013		9/21/2013-9/20/2014		9/21/2014-9/20/2015	
			Year 11		Year 12		Year 13		Year 14		Year 15	
			Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate
142		Engineer II	\$88.61	\$74.66	\$91.27	\$76.90	\$94.01	\$79.21	\$96.83	\$81.59	\$99.73	\$84.04
143		Engineer III	\$106.88	\$90.07	\$110.09	\$92.78	\$113.39	\$95.56	\$116.79	\$98.43	\$120.30	\$101.38
144		Engineer IV	\$129.31	\$108.96	\$133.19	\$112.23	\$137.18	\$115.60	\$141.30	\$119.07	\$145.54	\$122.64
145		Engineer V	\$137.86	\$116.17	\$141.99	\$119.66	\$146.25	\$123.25	\$150.64	\$126.95	\$155.16	\$130.75
146		Foreign Travel Specialist	\$42.61	\$35.91	\$43.89	\$36.98	\$45.21	\$38.09	\$46.56	\$39.24	\$47.96	\$40.41
147		IT Specialist- Internet	\$91.35	\$76.97	\$94.09	\$79.28	\$96.91	\$81.66	\$99.82	\$84.11	\$102.82	\$86.63
148		Inspector	\$57.95	\$48.84	\$59.69	\$50.31	\$61.48	\$51.82	\$63.32	\$53.37	\$65.22	\$54.97
149		Logistician I	\$27.75	\$23.38	\$28.58	\$24.08	\$29.44	\$24.80	\$30.32	\$25.55	\$31.23	\$26.32
150		Logistician II	\$40.39	\$34.04	\$41.60	\$35.06	\$42.85	\$36.11	\$44.13	\$37.20	\$45.46	\$38.31
151		Logistician III	\$54.21	\$45.69	\$55.84	\$47.06	\$57.51	\$48.47	\$59.24	\$49.93	\$61.01	\$51.43
152		Logistician IV	\$83.66	\$70.49	\$86.17	\$72.61	\$88.75	\$74.79	\$91.41	\$77.03	\$94.16	\$79.34
153		Logistics Manager I	\$107.99	\$90.99	\$111.22	\$93.72	\$114.56	\$96.53	\$118.00	\$99.43	\$121.54	\$102.41
154		Logistics Manager II	\$130.65	\$110.10	\$134.56	\$113.40	\$138.60	\$116.80	\$142.76	\$120.31	\$147.04	\$123.91
155		Mechanic I	\$40.18	\$33.87	\$41.39	\$34.88	\$42.63	\$35.93	\$43.91	\$37.01	\$45.22	\$38.12
156		Mechanic II	\$52.40	\$52.40	\$53.97	\$53.97	\$55.59	\$55.59	\$57.25	\$57.25	\$58.97	\$58.97
157		Multimedia Specialist	\$66.58	\$56.10	\$68.58	\$57.79	\$70.63	\$59.52	\$72.75	\$61.31	\$74.94	\$63.15
158		Network Administrator	\$68.63	\$57.82	\$70.69	\$59.56	\$72.81	\$61.35	\$74.99	\$63.19	\$77.24	\$65.08
159		Network Technician I	\$51.56	\$43.46	\$53.11	\$44.76	\$54.70	\$46.10	\$56.34	\$47.49	\$58.03	\$48.91
160		Network Technician II	\$56.71	\$47.79	\$58.41	\$49.23	\$60.17	\$50.70	\$61.97	\$52.22	\$63.83	\$53.79
161		Network Technician III	\$62.38	\$52.57	\$64.25	\$54.15	\$66.18	\$55.77	\$68.16	\$57.45	\$70.21	\$59.17
162		NET Instructor I	\$48.33	\$48.33	\$49.78	\$49.78	\$51.27	\$51.27	\$52.81	\$52.81	\$54.39	\$54.39
163		NET Instructor II	\$53.45	\$53.45	\$55.05	\$55.05	\$56.70	\$56.70	\$58.40	\$58.40	\$60.15	\$60.15
164		Operations Research Analyst I	\$72.62	\$61.19	\$74.79	\$63.03	\$77.04	\$64.92	\$79.35	\$66.87	\$81.73	\$68.87
165		Operations Research Analyst II	\$88.57	\$74.63	\$91.23	\$76.87	\$93.96	\$79.18	\$96.78	\$81.55	\$99.69	\$84.00
166		Operations Research Analyst III	\$124.38	\$104.81	\$128.11	\$107.96	\$131.96	\$111.20	\$135.92	\$114.53	\$139.99	\$117.97
167		Program Manager	\$134.09	\$112.98	\$138.11	\$116.37	\$142.25	\$119.86	\$146.52	\$123.46	\$150.91	\$127.16
168		Programmer I	\$59.65	\$50.27	\$61.44	\$51.78	\$63.28	\$53.34	\$65.18	\$54.94	\$67.13	\$56.58
169		Programmer II	\$86.51	\$72.89	\$89.10	\$75.08	\$91.78	\$77.33	\$94.53	\$79.65	\$97.37	\$82.04
170		Programmer III	\$113.78	\$95.88	\$117.20	\$98.76	\$120.71	\$101.72	\$124.33	\$104.77	\$128.07	\$107.92
171		Programmer IV	\$124.64	\$105.03	\$128.38	\$108.18	\$132.23	\$111.43	\$136.20	\$114.77	\$140.28	\$118.21
172		Project Manager	\$119.89	\$101.04	\$123.49	\$104.07	\$127.19	\$107.20	\$131.01	\$110.41	\$134.94	\$113.72
173		Quality Assurance Coordinator	\$75.49	\$63.61	\$77.75	\$65.52	\$80.09	\$67.49	\$82.49	\$69.51	\$84.96	\$71.60
174		Quality Assurance Inspector	\$74.94	\$63.15	\$77.19	\$65.04	\$79.51	\$67.00	\$81.89	\$69.00	\$84.35	\$71.08
175		Quality Assurance Manager	\$87.26	\$73.53	\$89.88	\$75.74	\$92.58	\$78.01	\$95.35	\$80.35	\$98.21	\$82.76
176		Special Consultant	\$198.78	\$167.51	\$204.74	\$172.53	\$210.89	\$177.71	\$217.21	\$183.04	\$223.73	\$188.53
177		Subject Matter Expert I	\$105.01	\$88.49	\$108.16	\$91.14	\$111.40	\$93.88	\$114.75	\$96.69	\$118.19	\$99.59
178		Subject Matter Expert II	\$137.59	\$115.95	\$141.72	\$119.43	\$145.97	\$123.01	\$150.35	\$126.70	\$154.86	\$130.50
179		Subject Matter Expert III	\$180.23	\$151.88	\$185.64	\$156.44	\$191.21	\$161.13	\$196.94	\$165.97	\$202.85	\$170.95
180		Supply Inventory Specialist	\$51.00	\$51.00	\$52.53	\$52.53	\$54.10	\$54.10	\$55.72	\$55.72	\$57.40	\$57.40
181		Systems Analyst I	\$60.84	\$51.27	\$62.67	\$52.81	\$64.55	\$54.40	\$66.48	\$56.03	\$68.48	\$57.71
182		Systems Analyst II	\$77.75	\$65.52	\$80.09	\$67.48	\$82.49	\$69.51	\$84.96	\$71.59	\$87.51	\$73.74
183		Systems Analyst III	\$89.86	\$75.72	\$92.55	\$77.99	\$95.33	\$80.33	\$98.19	\$82.74	\$101.14	\$85.22
184		Systems Analyst IV	\$102.65	\$86.50	\$105.73	\$89.09	\$108.90	\$91.77	\$112.17	\$94.52	\$115.53	\$97.36
185		Systems Analyst V	\$122.06	\$102.86	\$125.72	\$105.94	\$129.49	\$109.12	\$133.37	\$112.39	\$137.37	\$115.77
186		Task Area Lead - Documentation	\$68.63	\$57.82	\$70.69	\$59.56	\$72.81	\$61.35	\$74.99	\$63.19	\$77.24	\$65.08
187		Task Area Lead - Engineering	\$100.48	\$84.68	\$103.49	\$87.22	\$106.60	\$89.83	\$109.79	\$92.53	\$113.09	\$95.30
188		Task Area Lead - Technical	\$91.35	\$76.97	\$94.09	\$79.28	\$96.91	\$81.66	\$99.82	\$84.11	\$102.82	\$86.63
189		Technical Director	\$147.15	\$123.99	\$151.56	\$127.71	\$156.11	\$131.54	\$160.79	\$135.49	\$165.61	\$139.55

GSA CLIN	SCA CODE	GSA LOGWORLD LABOR CATEGORIES	YEARS 11 THROUGH 15									
			9/21/2010-9/20/2011		9/21/2011-9/20/2012		9/21/2012-9/20/2013		9/21/2013-9/20/2014		9/21/2014-9/20/2015	
			Year 11		Year 12		Year 13		Year 14		Year 15	
			Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate	Contractor Site Rate	Client-Site Rate
190		Technical Librarian	\$62.38	\$52.57	\$64.25	\$54.15	\$66.18	\$55.77	\$68.16	\$57.45	\$70.21	\$59.17
191		Technical Writer I	\$62.10	\$52.32	\$63.96	\$53.89	\$65.88	\$55.51	\$67.86	\$57.18	\$69.89	\$58.89
192		Technical Writer II	\$77.48	\$65.29	\$79.80	\$67.25	\$82.19	\$69.27	\$84.66	\$71.35	\$87.20	\$73.49
193		Technical Writer III	\$99.04	\$83.46	\$102.02	\$85.96	\$105.08	\$88.54	\$108.23	\$91.20	\$111.48	\$93.94
194		Track Vehicle Mechanic	\$52.29	\$52.29	\$53.86	\$53.86	\$55.48	\$55.48	\$57.14	\$57.14	\$58.86	\$58.86

Service Contract Act Matrix/Narrative

The Service Contract Act (SCA) applies to this contract. The labor categories that fall under the requirements of the Service Contract Act (SCA) (i.e. non-exempt labor categories) are identified in the matrix below. All prices for these labor categories meet or exceed the requirements in the SCA Wage Determinations identified below. All prices include an Industrial Funding Fee of .75%.

<i>SCA Eligible Contract Labor Categories</i>	<i>SCA Equivalent Code - Title</i>		<i>WD Number</i>
Secretary I	01311	Secretary I	05-2001
Secretary II	01312	Secretary II	05-2001
Secretary III	01313	Secretary III	05-2001
Secretary IV	01020	Administrative Assistant	05-2001
Secretary V	01020	Administrative Assistant	05-2001
Key Entry Operator I	01051	Data Entry Operator I	05-2001
Key Entry Operator II	01052	Data Entry Operator II	05-2001
Order Clerk I	01191	Order Clerk I	05-2001
Order Clerk II	01192	Order Clerk II	05-2001
Scheduler, Maintenance	01300	Scheduler, Maintenance	05-2001
Supply Technician	01410	Supply Technician	05-2001
Computer Operator I	14041	Computer Operator I	05-2001
Computer Operator III	14043	Computer Operator III	05-2001
Computer Operator V	14045	Computer Operator V	05-2001
Computer Programmer I	14071	Computer Programmer I	05-2001
Automotive Worker	05070	Automotive Worker	05-2001
Automotive Electrician	05010	Automotive Electrician	05-2001
Mobile Equipment Servicer	05110	Mobile Equipment Servicer	05-2001
Motor Equipment Metal Mechanic	05130	Motor Equipment Metal Mechanic	05-2001
Motor Equipment Metal Worker	05160	Motor Equipment Metal Worker	05-2001
Motor Vehicle Mechanic	05190	Motor Vehicle Mechanic	05-2001
Motor Vehicle Wrecker	05280	Motor Vehicle Wrecker	05-2001
Painter, Automotive	05310	Painter, Automotive	05-2001
Radiator Repair Specialist	05340	Radiator Repair Specialist	05-2001
Tire Repairer	05370	Tire Repairer	05-2001
Transmission Repair Specialist	05400	Transmission Repair Specialist	05-2001
Audiovisual Librarian	13110	Video Teleconference Technician	05-2001
Exhibits Specialist I	13011	Exhibits Specialist I	05-2001
Exhibits Specialist II	13012	Exhibits Specialist II	05-2001

Exhibits Specialist III	13013	Exhibits Specialist III	05-2001
Illustrator I	13041	Illustrator I	05-2001
Illustrator II	13042	Illustrator II	05-2001
Illustrator III	13043	Illustrator III	05-2001
Librarian	13047	Librarian	05-2001
Library Technician	13050	Library Aid / Clerk	05-2001
Machine-tool Operator	19010	Machine-tool Operator	05-2001
Tool and Die Maker	19040	Tool and Die Maker	05-2001
Fuel Dist Sys Oper/ Mat Coord	23311	Fuel Distribution System Mechanic	05-2001
Material Coordinator	21030	Material Coordinator	05-2001
Material Expediter	21040	Material Expediter	05-2001
Material Handling Laborer	21050	Material Handling Laborer	05-2001
Order Filler	21071	Order Filler	05-2001
Forklift Operator	21020	Forklift Operator	05-2001
Shipping/Receiving Clerk	21130	Shipping/Receiving Clerk	05-2001
Shipping Packer	21110	Shipping Packer	05-2001
Store Worker I	21140	Store Worker I	05-2001
Stock Clerk	21150	Stock Clerk	05-2001
Tools and Parts Attendant	21210	Tools and Parts Attendant	05-2001
Warehouse Specialist	21400	Warehouse Specialist	05-2001
Electronics Tech, Maintenance	23160	Electronics Maintenance	05-2001
Electronics Tech, Maintenance I	23181	Electronics Tech, Maintenance I	05-2001
Electronics Tech, Maintenance II	23182	Electronics Tech, Maintenance II	05-2001
Electronics Tech, Maintenance III	23183	Electronics Tech, Maintenance III	05-2001
Fuel Distribution System Mech.	23311	Fuel Distribution System Mechanic	05-2001
General Maintenance Worker	23370	General Maintenance Worker	05-2001
HVAC Mechanic	23411	HVAC Mechanic	05-2001
Heavy Equipment Mechanic	23430	Heavy Equipment Mechanic	05-2001
Heavy Equipment Operator	23440	Heavy Equipment Operator	05-2001
Instrument Mechanic	23460	Instrument Mechanic	05-2001
Laborer	23470	Laborer	05-2001
Machinery Maintenance Mechanic	23530	Machinery Maintenance Mechanic	05-2001
Machinist, Maintenance	23550	Machinist, Maintenance	05-2001
Maintenance Trades Helper	23580	Maintenance Trades Helper	05-2001
Millwright	23640	Millwright	05-2001
Painter, Maintenance	23760	Painter, Maintenance	05-2001
Pneudraulic Systems Mechanic	23820	Pneudraulic Systems Mechanic	05-2001

Rigger	23850	Rigger	05-2001
Scale Mechanic	23870	Scale Mechanic	05-2001
Sheet-metal Worker, Maintenance	23890	Sheet-metal Worker, Maintenance	05-2001
Small Engine Mechanic	23910	Small Engine Mechanic	05-2001
Welder, Combination, Maintenance	23960	Welder, Combination, Maintenance	05-2001
Blocker and Bracer	29010	Blocker and Bracer	05-2001
Hatch Tender	29020	Hatch Tender	05-2001
Line Handler	29030	Line Handler	05-2001
Stevedore I	29041	Stevedore I	05-2001
Stevedore II	29042	Stevedore II	05-2001
Civil Engineering Technician	30040	Civil Engineering Technician	05-2001
CBT Spec/Instructor	15050	CBT Spec/Instructor	05-2001
Drafter I	30061	Drafter/CAD Operator I	05-2001
Drafter II	30062	Drafter/CAD Operator II	05-2001
Drafter III	30063	Drafter/CAD Operator III	05-2001
Drafter IV	30064	Drafter/CAD Operator IV	05-2001
Engineering Technician I	30081	Engineering Technician I	05-2001
Engineering Technician II	30082	Engineering Technician II	05-2001
Engineering Technician III	30083	Engineering Technician III	05-2001
Engineering Technician IV	30084	Engineering Technician IV	05-2001
Engineering Technician V	30085	Engineering Technician V	05-2001
Engineering Technician VI	30086	Engineering Technician VI	05-2001
Flight Simulator/Instructor (Pilot)	15070	Flight Instructor (Pilot)	05-2001
Graphic Artist	15080	Graphic Artist	05-2001
Instructor	15090	Instructor	05-2001
Technical Writer	30461	Technical Writer	05-2001
Truckdriver, Light Truck	31361	Truckdriver, Light Truck	05-2001
Truckdriver, Medium Truck	31362	Truckdriver, Medium Truck	05-2001
Truckdriver, Heavy Truck	31363	Truckdriver, Heavy Truck	05-2001
Truckdriver, Tractor-Trailor	31364	Truckdriver, Tractor-Trailor	05-2001
Plumber-Machinist	23810	Plumber-Machinist	05-2001
Armaments Technician	23393	Gunsmith III	05-2001
Auto CAD Technician	30064	Drafter/CAD Operator IV	05-2001
Documentation Specialist I	01111	General Clerk I	05-2001
Documentation Specialist II	01112	General Clerk II	05-2001
Documentation Specialist III	30462	General Clerk III	05-2001
Foreign Travel Specialist	01533	Travel Clerk III	05-2001

Mechanic I	05220	Motor Vehicle Mechanic Helper	05-2001
Mechanic II	05190	Motor Vehicle Mechanic	05-2001
Network Technician I	14160	Personal Computer Support Technician	05-2001
NET Instructor I	15095	Technical Instructor/Course Developer	05-2001

The SCA is applicable to this contract and it includes SCA applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage Determination Numbers(s) identified in the matrix. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.